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インドネシア国南スラウェシ  
治山計画モデルインフラ整備  
事業実施設計調査図面集  
(道路、橋梁)

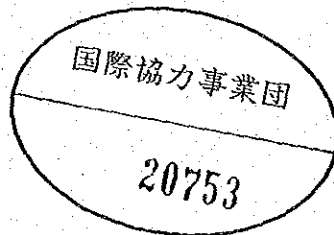
図面集 - 2

平成元年 1月

国際協力事業団

108  
88  
FDD

林開発
JR
89-1



国際協力事業団

20753

目 次

名 称	頁
苗 棚	1-①~④
道 路 橋 梁 位 置 図	2
土 工 標 準 図	2-①
NO 1 橋 梁 平 面 図	3-①~③
NO 1 橋 梁 継 断 図	4-①~②
NO 1 橋 梁 横 断 図	5-①~⑤
NO 1 橋 梁 構 造 物 図	6-①
NO 1 橋 梁 図	7-①~⑤
NO 2 橋 梁 平 面 図	8-①
NO 2 橋 梁 継 断 図	9-①
NO 2 橋 梁 横 断 図	10-①~③
NO 2 橋 梁 河 床 路	11-①
NO 3~NO 4 橋 梁 平 面 図	12-①~②
NO 3~NO 4 橋 梁 継 断 図	13-①~②
NO 3~NO 4 橋 梁 横 断 図	14-①~⑥
NO 3 橋 梁 図	15-①~⑤
NO 4 橋 梁 図	16-①~⑤

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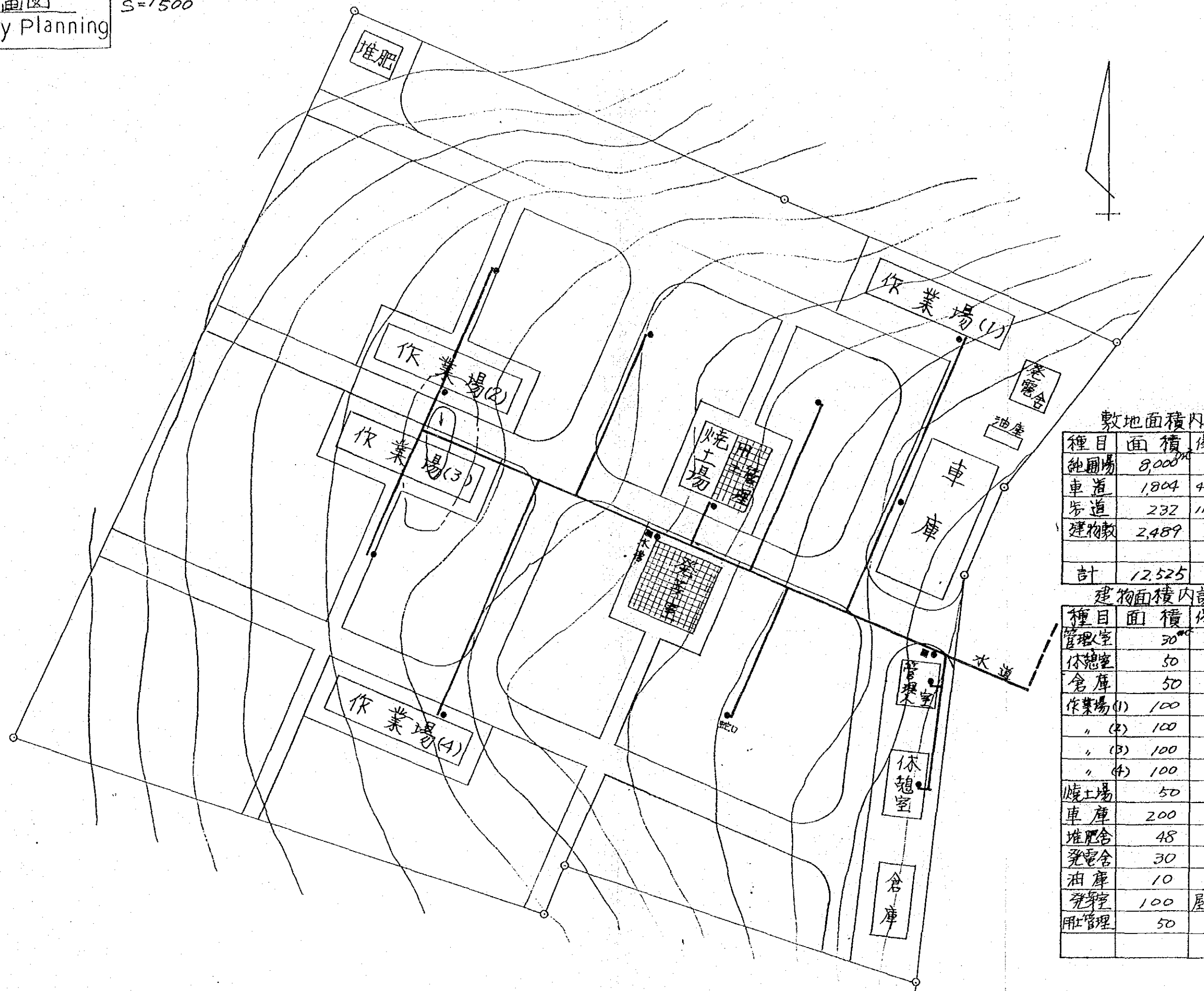


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苗圃計画図  
Nursery Planning

S=1/500



敷地面積内訳

種目	面積	備考
純圃場	8,000 <sup>m<sup>2</sup></sup>	
車道	1,804	451 <sup>m</sup>
歩道	232	116 <sup>m</sup>
建物敷	2,489	
計	12,525	

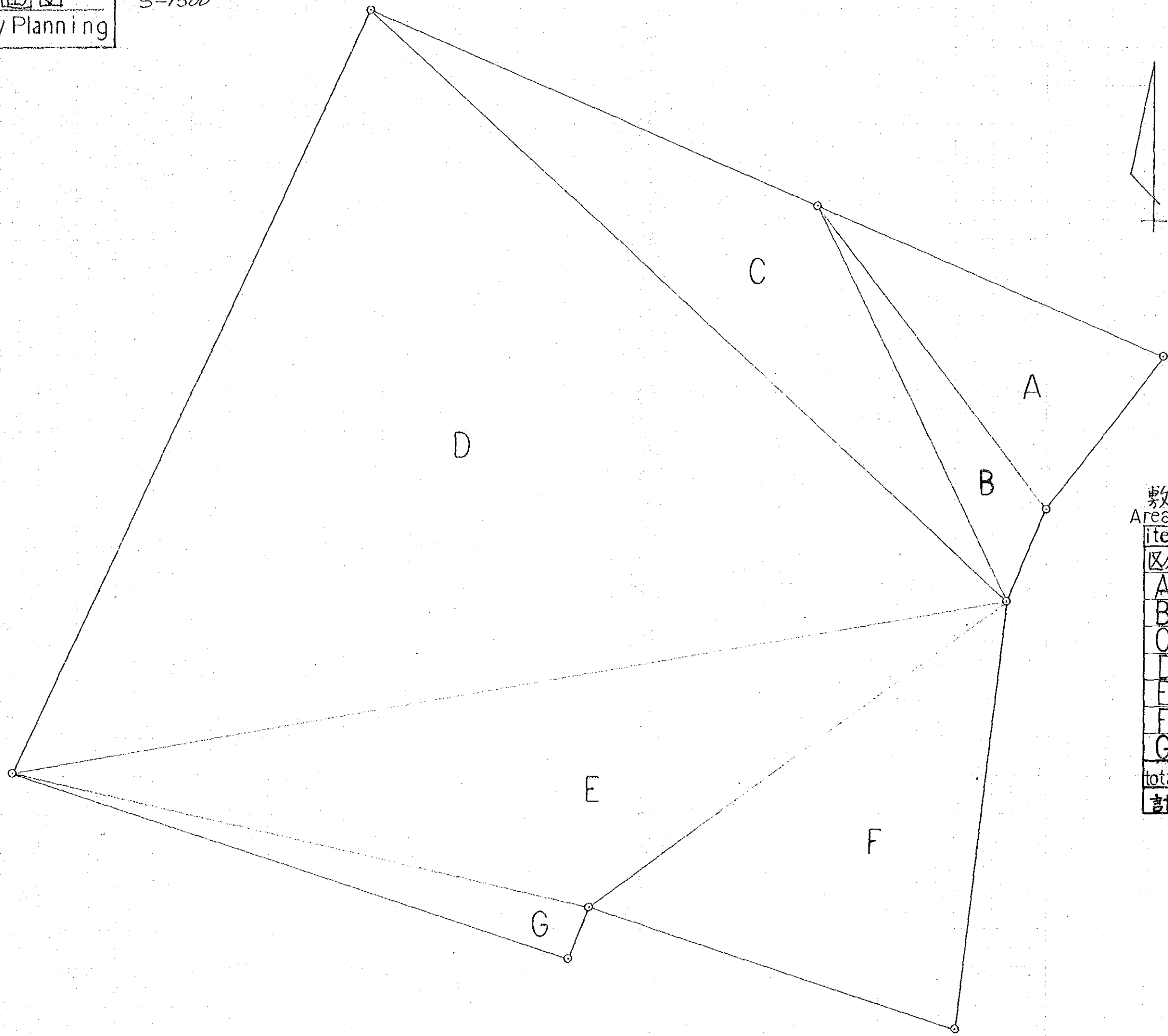
建物面積内訳

種目	面積	備考
管理室	30 <sup>m<sup>2</sup></sup>	
休憩室	50	
倉庫	50	
作業場(1)	100	
"(2)	100	
"(3)	100	
"(4)	100	
焼土場	50	
車庫	200	
堆肥舎	48	
発電舎	30	
油庫	10	
発電室	100	屋根上
用土管理	50	"

和文苗圃  
和文苗圃  
和文苗圃

苗畑計画図  
Nursery Planning

S=1/500

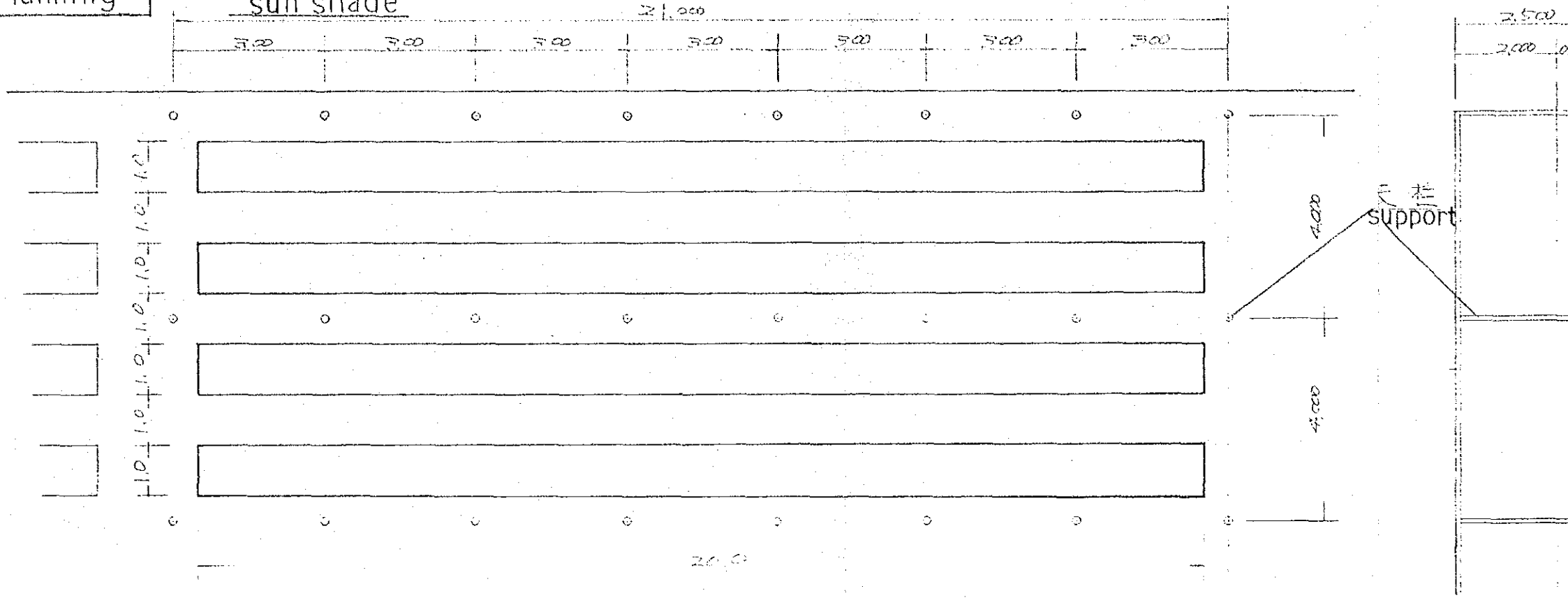


敷地面積計算  
Area calculation

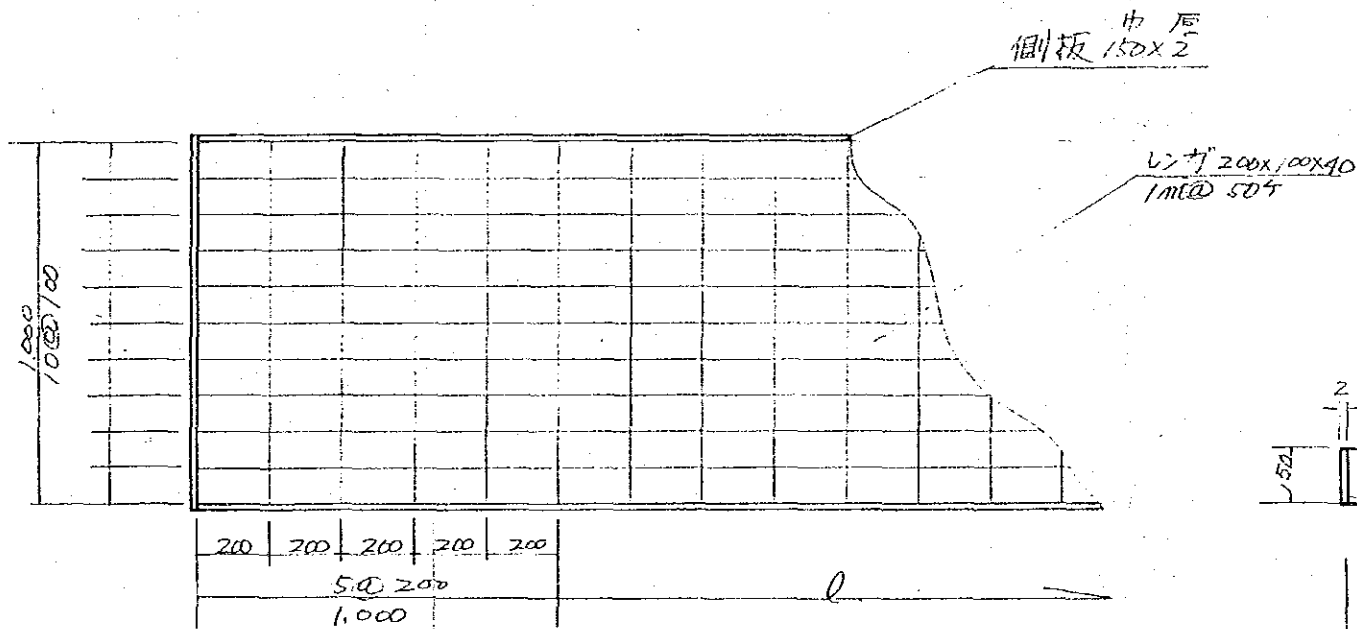
item	area
区分	面積
A	655.30
B	321.30
C	1,271.60
D	6,331.60
E	2,126.80
F	1,497.40
G	321.00
total	
計	12,525.00

苗圃計画図  
Nursery Planning

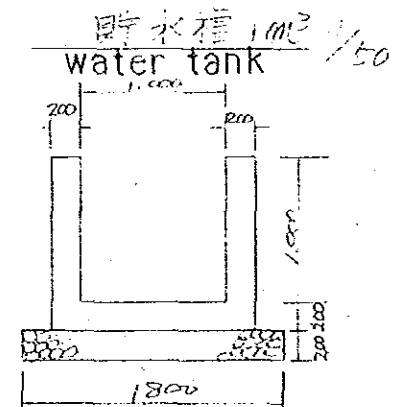
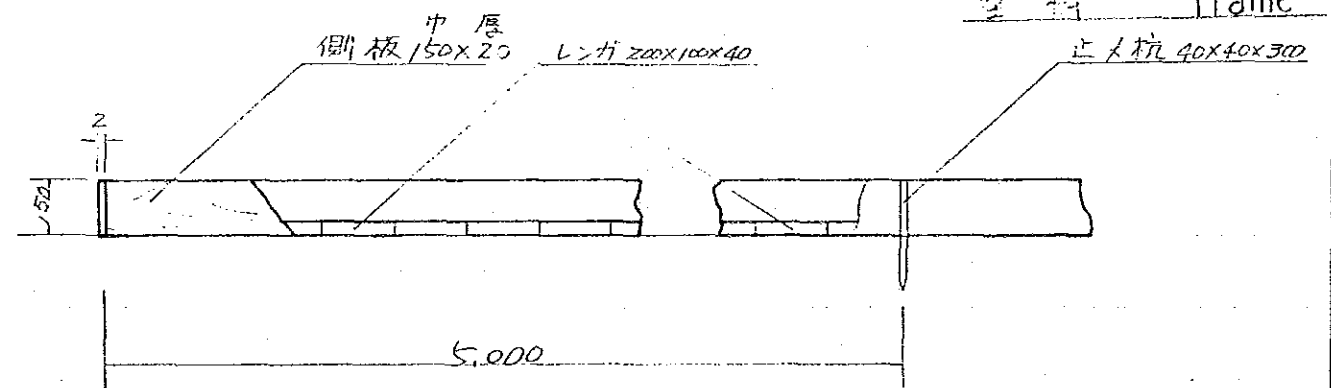
日覆施設配置図  $S=1/50$   
sun shade



POT BED 詳細図  $S=1/20$   
detail  
平面図 plan



側面図 profile

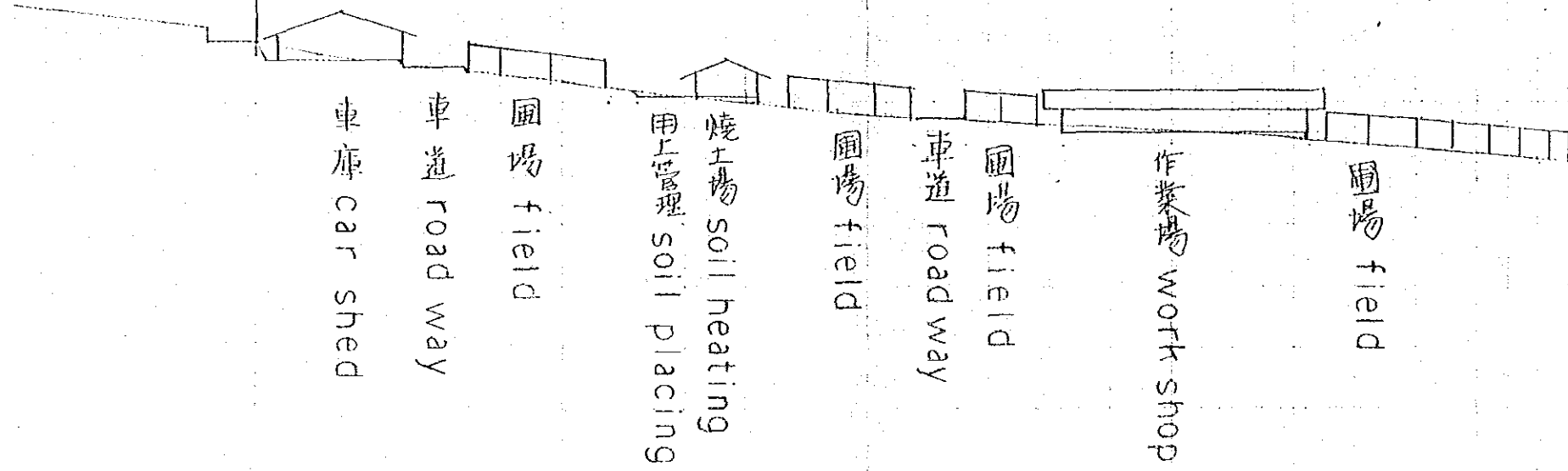


コンクリート 3,368 concrete  
基礎 礫石 0.648 rubblestone  
型枠 frame

苗圃計劃圖  
Nursery Plannig

S=1/500

苗圃地  
nursery field



車庫 car shed

車道 road way

圃場 field

燒土場 soil heating  
用上管理 soil placing

圃場 field

車道 road way

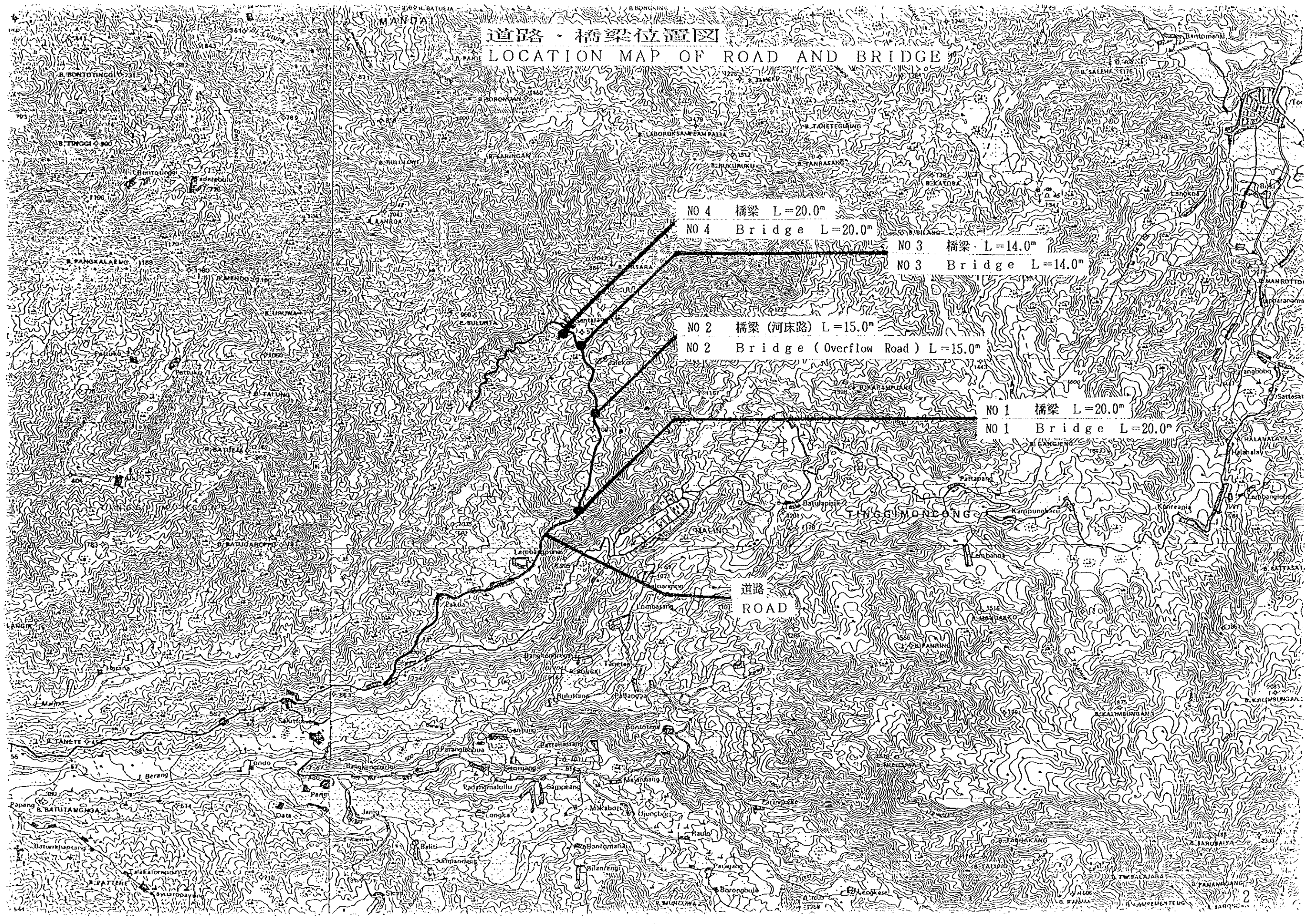
圃場 field

作業場 work shop

圃場 field

道路・橋梁位置図

LOCATION MAP OF ROAD AND BRIDGE



NO 4 橋梁 L=20.0<sup>m</sup>

NO 4 Bridge L=20.0<sup>m</sup>

NO 3 橋梁 L=14.0<sup>m</sup>

NO 3 Bridge L=14.0<sup>m</sup>

NO 2 橋梁 (河床路) L=15.0<sup>m</sup>

NO 2 Bridge (Overflow Road) L=15.0<sup>m</sup>

NO 1 橋梁 L=20.0<sup>m</sup>

NO 1 Bridge L=20.0<sup>m</sup>

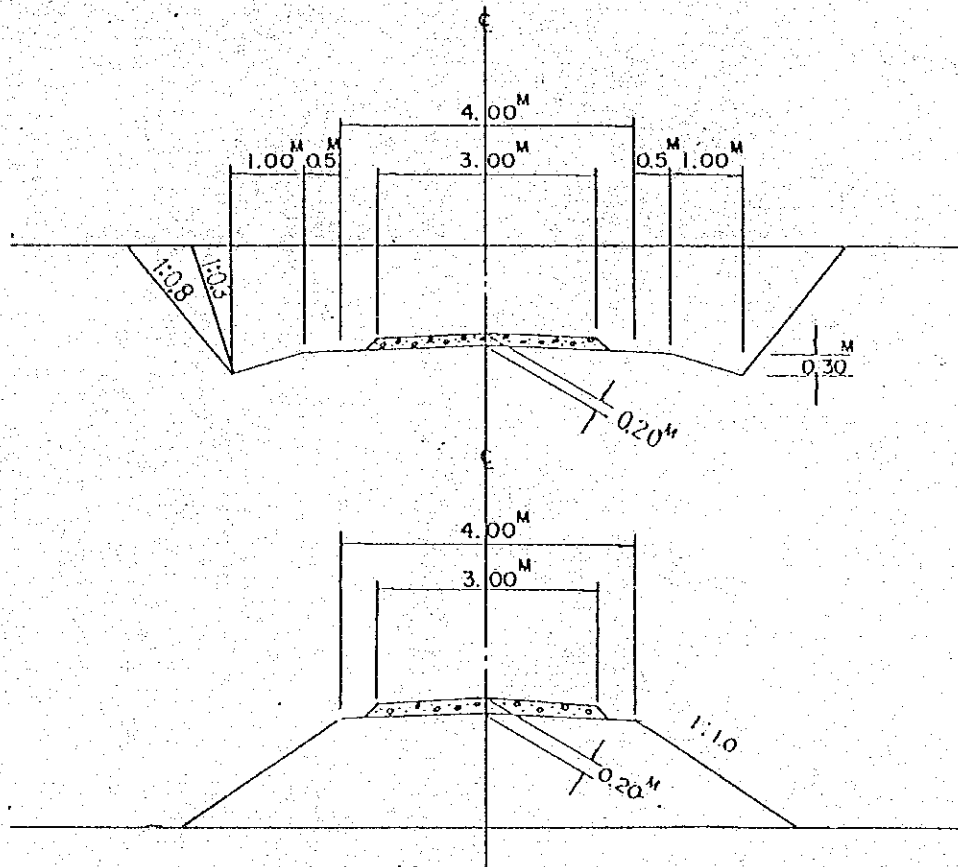
道路  
ROAD





土工標準図

Roadway Diagram  $S = 1/100$



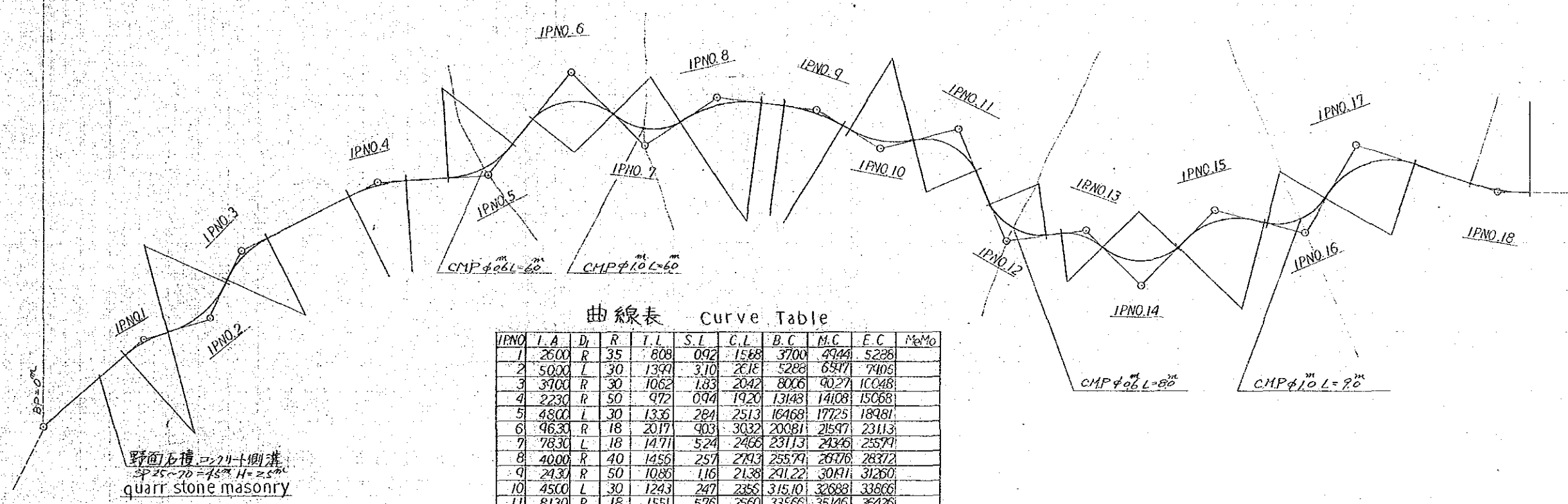
2-①

4'

No 1 橋梁 平面圖  
PLAN



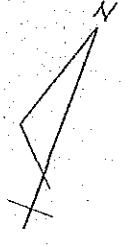
勾配曲線修正区間 SP 0 ~ 610 = 610m  
Amendant section of grae curve



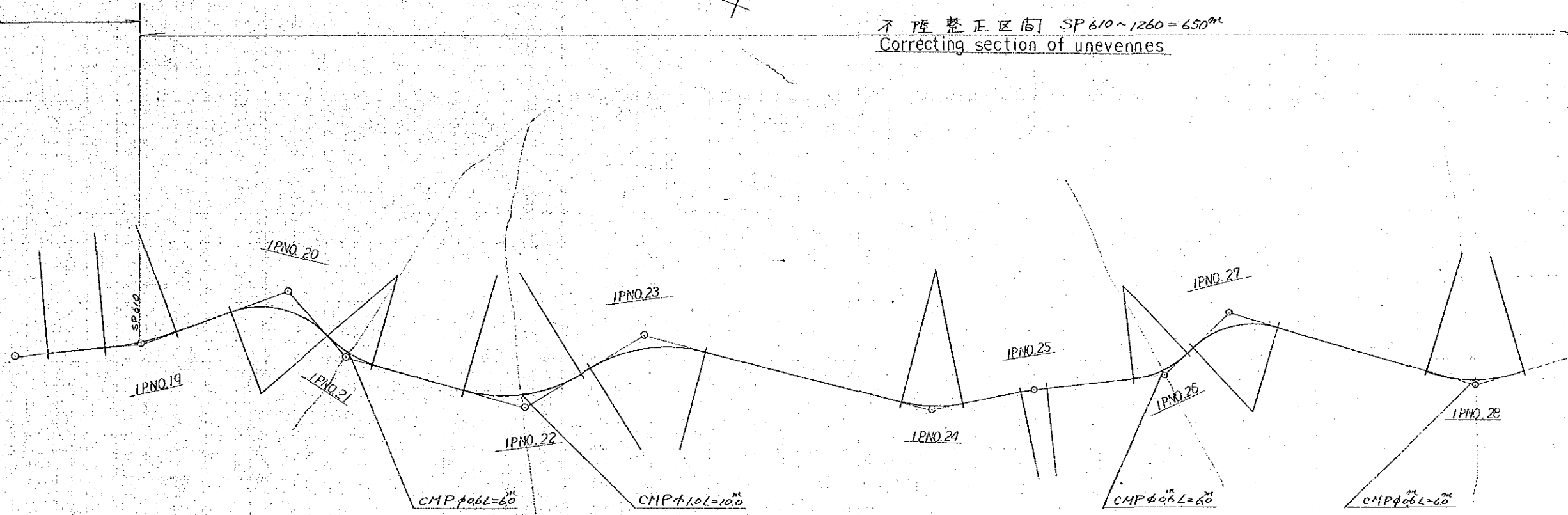
曲線表 Curve Table

IPNO	I.A	D	R	T.L	S.L	C.L	B.C	M.C	E.C	Memo
1	2500	R	35	808	092	1568	3700	4944	5288	
2	5000	L	30	1391	310	2618	5288	6577	7405	
3	3700	R	30	1062	183	2042	8006	9027	10048	
4	2230	R	50	972	094	1920	13148	14108	15068	
5	4800	L	30	1335	281	2513	16468	17725	18981	
6	9630	R	18	2017	903	3032	20081	21597	23113	
7	7830	L	18	1471	524	2466	23113	24346	25571	
8	4000	R	40	1455	257	2793	25571	26476	28372	
9	2430	R	50	1086	116	2138	24122	30811	31260	
10	4500	L	30	1243	247	2356	31510	32688	33866	
11	8130	R	18	1551	578	2560	33566	35146	36426	
12	7430	L	18	1367	460	2338	37626	38795	39964	
13	5000	R	18	839	186	1571	40514	41300	42035	
14	9030	L	18	1816	757	2843	42085	43507	44928	
15	7000	R	25	1751	552	3054	44978	46505	48032	
16	7430	L	18	1356	454	2325	48132	49235	50457	
17	7900	R	25	2061	740	3447	50457	52181	53904	
18	1900	L	60	1001	083	1990	55904	56899	57894	

No1 橋梁平面圖  
PLAN



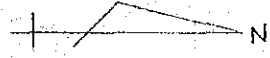
不陸修正區間 SP 610 ~ 1260 = 650m  
Correcting section of unevennes



曲線表 Curve Table

IPNO	LA	Dt	R	TL	SL	CL	BC	MC	EC	MeMo
19	14.00	L	100	12.28	0.75	24.43	518.44	610.66	622.87	
20	69.00	R	30	20.62	6.40	36.13	642.91	650.44	678.60	
21	33.30	L	30	9.03	1.33	17.54	678.50	687.21	696.04	
22	42.30	L	50	22.00	4.63	41.45	728.04	748.77	768.49	
23	46.00	R	50	21.22	4.32	40.14	772.97	793.06	813.13	
24	25.00	L	50	11.08	1.21	21.82	881.63	892.84	903.45	
25	5.00	R	100	4.37	0.10	8.73	924.95	929.30	933.66	
26	39.00	L	30	10.62	1.83	20.42	963.16	973.97	983.60	
27	61.00	R	30	17.67	4.82	31.94	986.60	1002.57	1018.24	
28	39.00	L	50	17.71	3.04	34.03	1071.04	1088.06	1105.07	

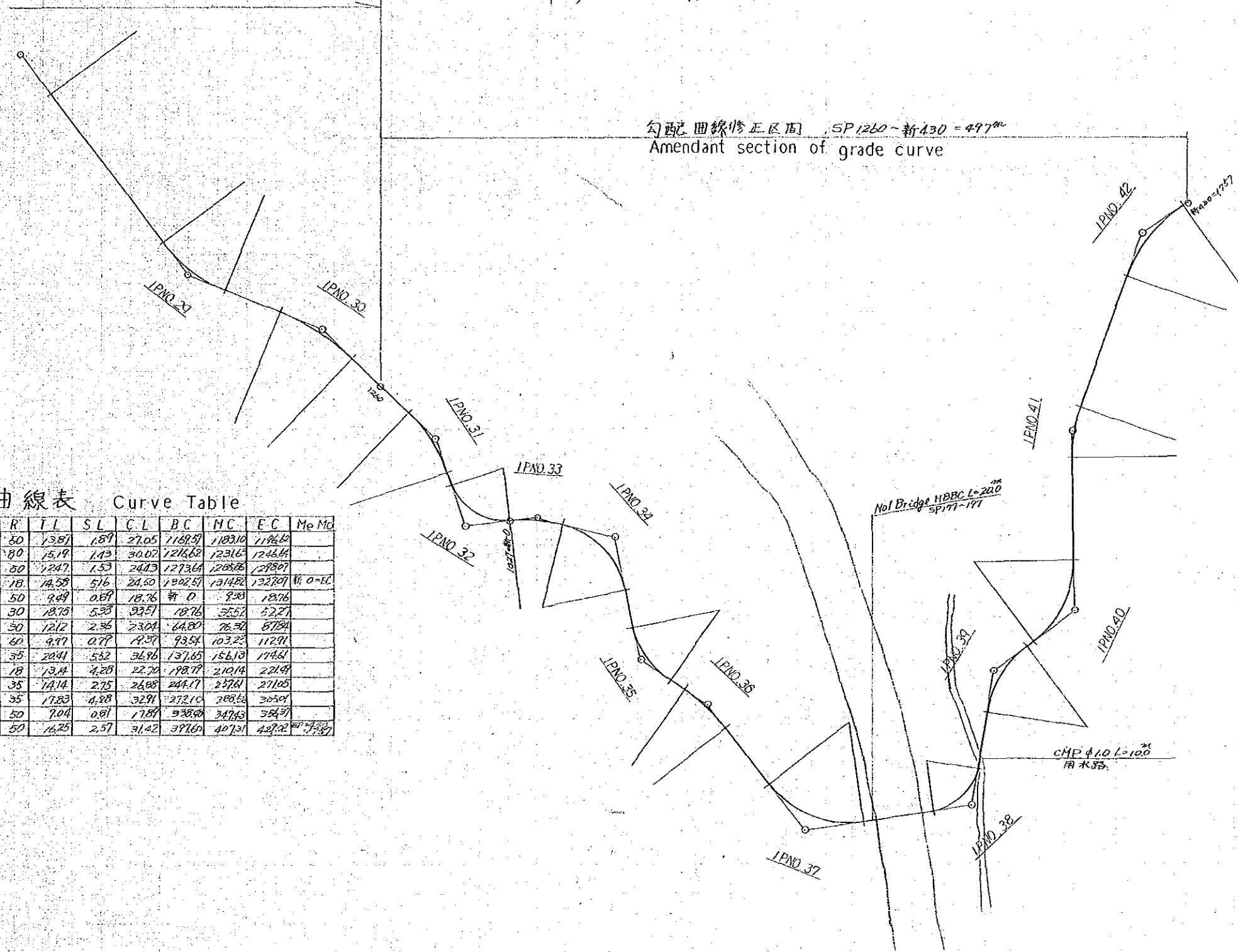
No.1 橋梁 平面圖  
PLAN



勾配曲線修正區間 SP 1260 ~ 新 430 = 497m  
Amendant section of grade curve

曲線表 Curve Table

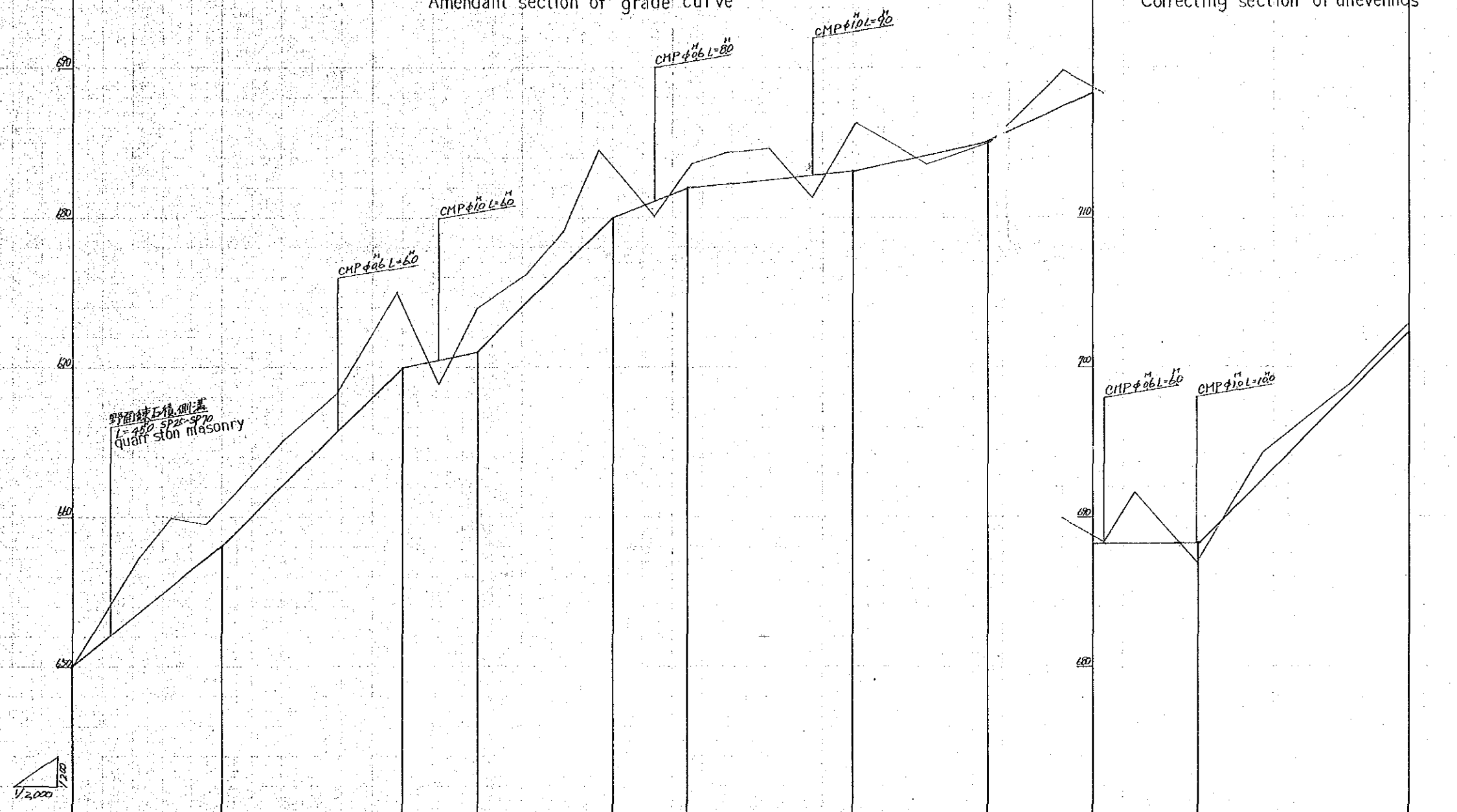
IPNO	IA	Di	R	TL	SL	CL	BC	MC	EC	Me Mo
29	31.30	L	50	13.87	1.87	27.05	1168.57	1183.10	1196.62	
30	21.30	R	80	15.19	1.43	30.07	1216.62	1231.65	1246.64	
31	28.00	R	50	12.47	1.53	24.43	1273.64	1288.76	1298.07	
32	78.00	L	18	14.58	5.16	24.50	1302.57	1314.82	1327.07	新 0-10
33	21.30	R	50	9.49	0.67	18.76	新 0	9.30	18.76	
34	64.00	R	30	18.75	5.33	33.57	18.76	35.52	52.27	
35	44.00	L	30	12.12	2.36	23.04	64.80	78.90	87.84	
36	18.30	R	60	9.77	0.77	19.57	93.54	103.23	112.91	
37	60.30	L	35	20.44	5.52	36.96	137.65	156.10	174.61	
38	72.30	L	18	13.14	4.28	22.72	198.77	210.14	221.49	
39	44.00	R	35	14.14	2.75	26.88	244.17	257.61	271.05	
40	54.00	L	35	17.83	4.28	32.91	272.10	288.64	305.04	
41	20.30	R	50	7.04	0.81	17.87	538.48	549.43	559.37	
42	36.00	R	50	16.25	2.57	31.42	397.60	407.31	417.02	新 1-10



No.1 橋梁縦断面  
Drawing Profile

勾配曲線修正区間 BP~SP 610 = 610m  
Amendant section of grade curve

不陸修正区間 SP 610~SP 1260 = 650m  
Correcting section of unevenness

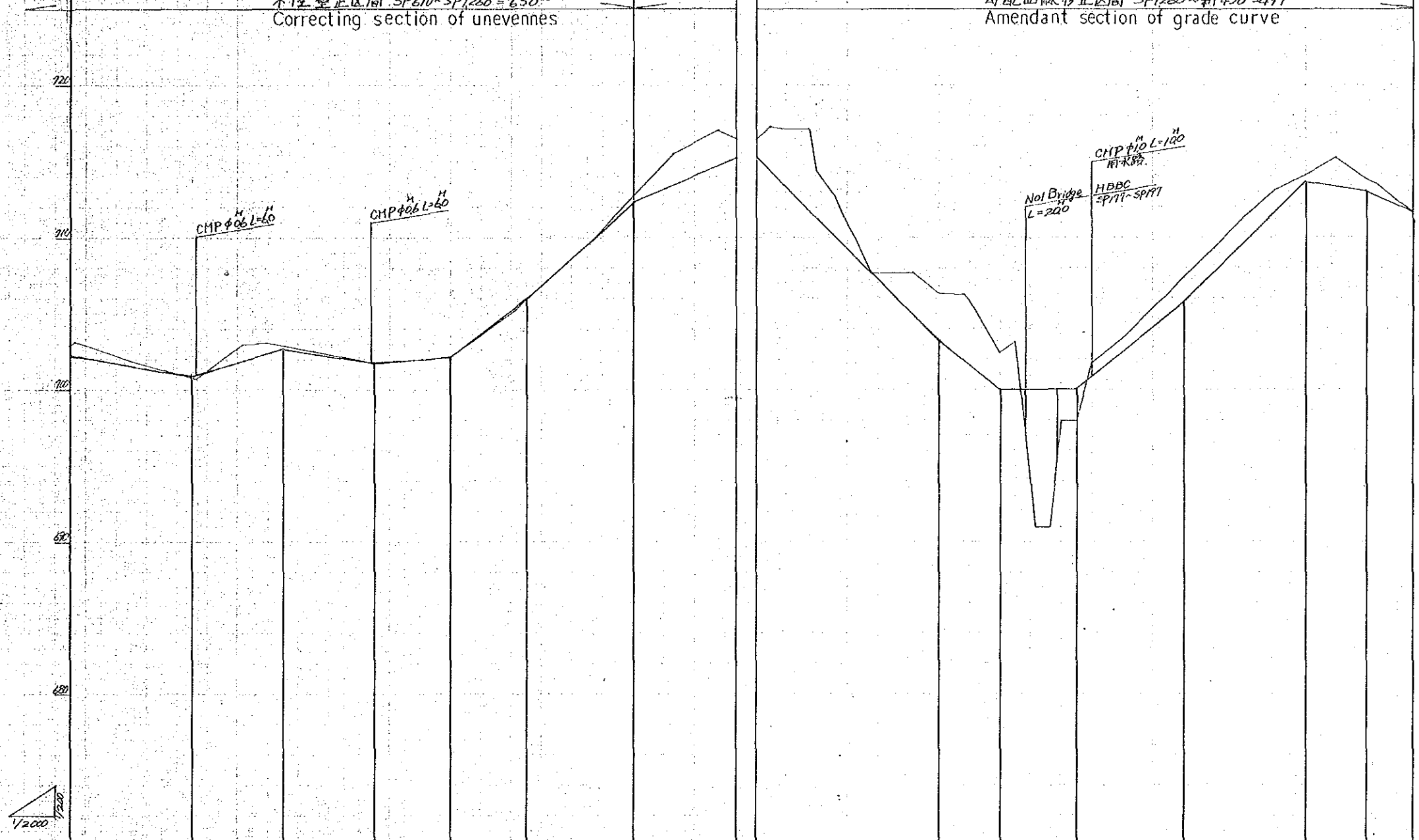


SP	G	H	F	H	C	H	B	H	G
575	650.00	650.00	0	0	0	0	0	0	650.00
45	657.23	653.60	373						+ 50 100
66	659.94	655.28	466						1380
90	659.49	657.20	229						+ 100 120
141	665.11	662.10	301						6700
177	668.35	665.70	265						+ 30 50
216	675.00	669.60	540						67100
243	668.86	670.46							+ 10.0 90
270	673.95	671.00	295						68200
302	676.07	674.20	187						+ 4.0 50
327	679.61	676.70	298						68200
351	684.49	679.10	539						+ 1.0 110
388	682.10	681.12							68900
413	683.63	682.20	160						+ 2.2 90
435	684.31	682.25	206						69000
465	684.33	682.55	203						+ 4.66 70
493	681.35	682.33							69200
522	686.33	683.14	319						L
559	683.56	684.18							69200
611	685.05	685.12							+ 100 140
660	687.80	687.31	209						70200
687	688.32	688.20	012						
710	691.61	688.20	341						
745	681.55	688.20							
793	694.76	692.50	176						
850	698.72	692.20	052						
870	702.85	702.20	065						

No.1 橋梁 縦断面  
Drawing Profile

不陸修正区間 SP610~SP1260 = 650m  
Correcting section of unevenness

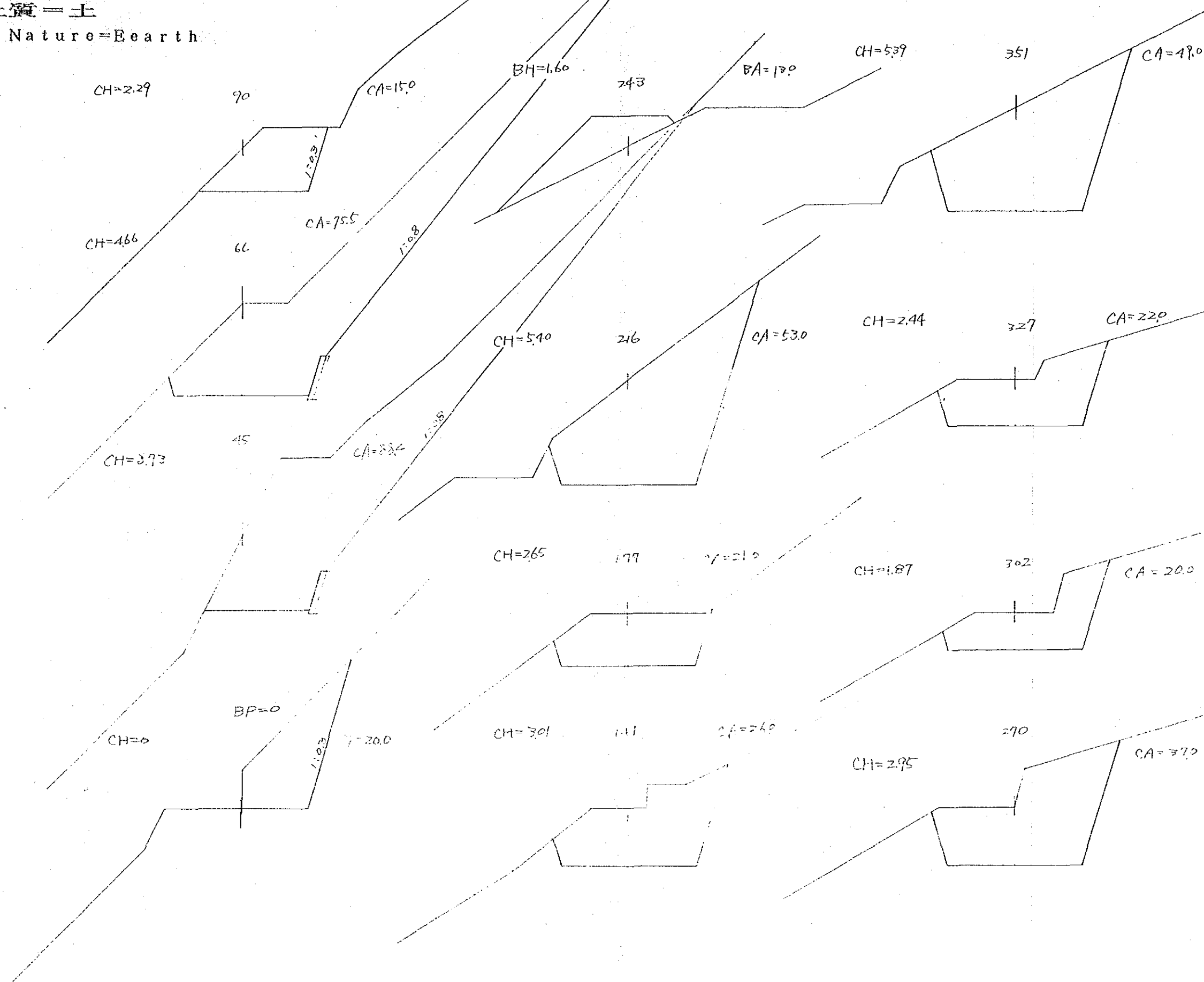
勾配曲線修正区間 SP1260~新430~497m  
Amendant section of grade curve



SP	G	H	F	H	C	H	B	H	G
595	703.20	703.18	703.20	702.15	0.65	1.01			702.20
627	701.90	701.84	701.84	701.84	0.36				700.80
673	700.70	700.73	700.73	701.89	1.17				700.80
7003	703.00	702.31	702.31	702.31	0.78				702.64
7019	703.09	702.34	702.34	702.34	0.15				702.64
7050	702.49	701.77	701.77	701.77	0.02				701.77
7088	701.75	702.09	702.09	702.09	0.01				702.09
7140	702.10	701.54	701.54	701.54	0.08				701.54
7187	701.36	701.97	701.97	701.97	0.09				701.97
7232	709.72	709.72	709.72	709.72	0.09				709.72
7260	712.70	712.70	712.70	712.70	0.34				712.70
7286	715.46	713.05	713.05	713.05	2.01				713.05
7315	717.00	714.69	714.69	714.69	1.34				714.69
7327	716.52	715.18	715.18	715.18	1.34				715.18
7340	717.25	714.58	714.58	714.58	2.67				714.58
735	717.10	713.18	713.18	713.18	3.92				713.18
740	717.05	711.69	711.69	711.69	5.37				711.69
740	714.40	711.18	711.18	711.18	3.22				711.18
740	712.80	709.78	709.78	709.78	3.02				709.78
740	710.80	709.18	709.18	709.18	1.62				709.18
740	709.90	708.69	708.69	708.69	1.22				708.69
740	709.20	707.20	707.20	707.20	0.12				707.20
740	709.10	707.18	707.18	707.18	0.02				707.18
740	709.70	706.78	706.78	706.78	1.42				706.78
740	709.70	706.18	706.18	706.18	3.52				706.18
740	709.70	705.69	705.69	705.69	4.02				705.69
740	709.70	705.18	705.18	705.18	4.52				705.18
740	709.70	704.69	704.69	704.69	5.02				704.69
740	709.70	704.18	704.18	704.18	5.52				704.18
740	709.70	703.69	703.69	703.69	6.02				703.69
740	709.70	703.18	703.18	703.18	6.52				703.18
740	709.70	702.69	702.69	702.69	7.02				702.69
740	709.70	702.18	702.18	702.18	7.52				702.18
740	709.70	701.69	701.69	701.69	8.02				701.69
740	709.70	701.18	701.18	701.18	8.52				701.18
740	709.70	700.69	700.69	700.69	9.02				700.69
740	709.70	700.18	700.18	700.18	9.52				700.18
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740	709.70	672.69	672.69	672.69	37.02				672.69
740	709.70	672.18	672.18	672.18	37.52				672.18
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740	709.70	670.18	670.18	670.18	39.52				670.18
740	709.70	669.69	669.69	669.69	40.02				669.69
740	709.70	669.18	669.18	669.18	40.52				669.18
740	709.70	668.69	668.69	668.69	41.02				668.69
740	709.70	668.18	668.18	668.18	41.52				668.18
740	709.70	667.69	667.69	667.69	42.02				667.69
740	709.70	667.18	667.18	667.18	42.52				667.18
740	709.70	666.69	666.69	666.69	43.02				666.69
740	709.70	666.18	666.18	666.18	43.52				666.18
740	709.70	665.69	665.69	665.69	44.02				665.69
740	709.70	665.18	665.18	665.18	44.52				665.18
740	709.70	664.69	664.69	664.69	45.02				664.69
740	709.70	664.18	664.18	664.18	45.52				664.18
740	709.70	663.69	663.69	663.69	46.02				663.69
740	709.70	663.18	663.18	663.18	46.52				663.18
740	709.70	662.69	662.69	662.69	47.02				662.69
740	709.70	662.18	662.18	662.18	47.52				662.18
740	709.70	661.69	661.69	661.69	48.02				661.69
740	709.70	661.18	661.18	661.18	48.52				661.18
740	709.70	660.69	660.69	660.69	49.02				660.69
740	709.70	660.18	660.18	660.18	49.52				660.18
740	709.70	659.69	659.69	659.69	50.02				

No.1 橋梁 横断面  $s=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth





No1 橋梁 横断面  $S=1/200$   
 Bridge Cross Section

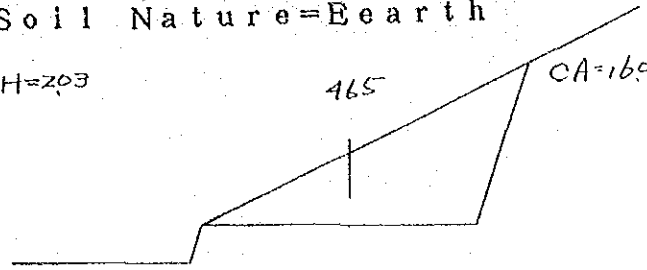
土質 = 土

Soil Nature = Earth

CH=203

465

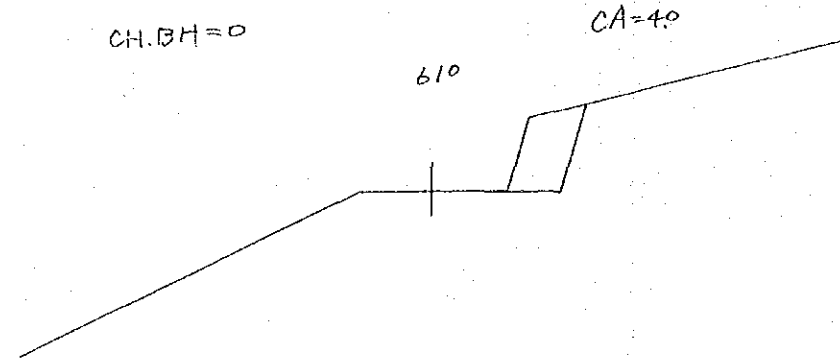
CA=160



CH.BH=0

610

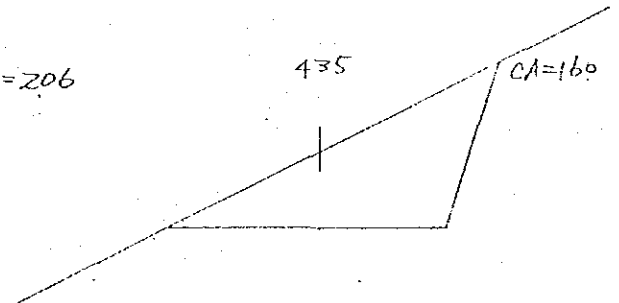
CA=40



CH=206

435

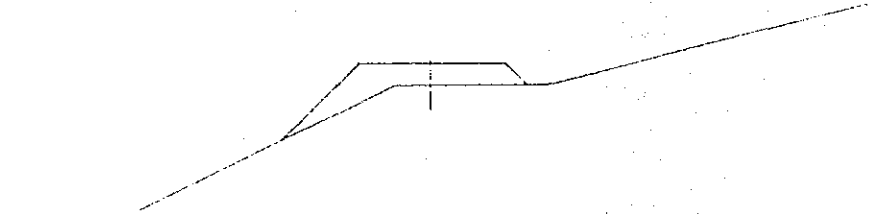
CA=160



BH=062

569

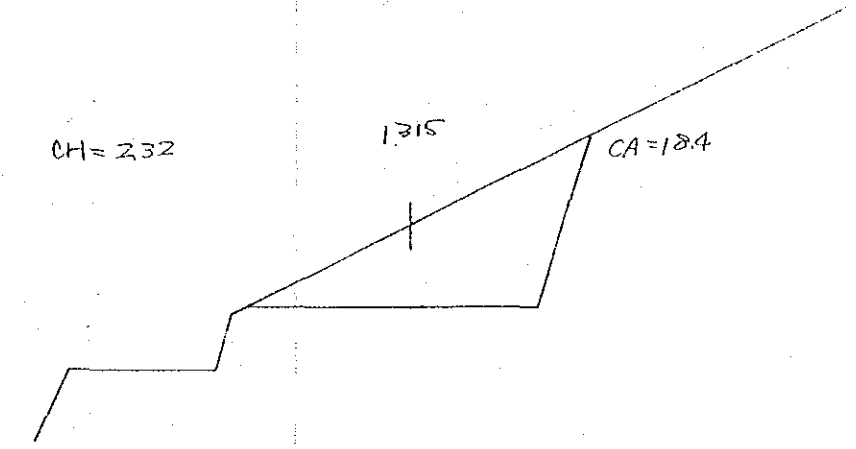
BA=40



CH=232

1315

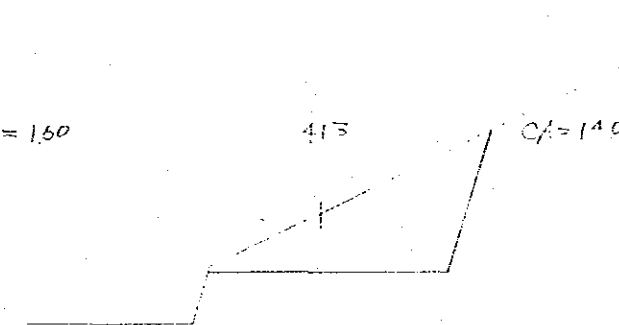
CA=18.4



CH=150

413

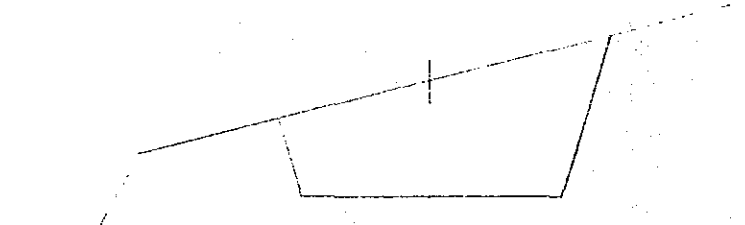
CA=140



CH=319

522

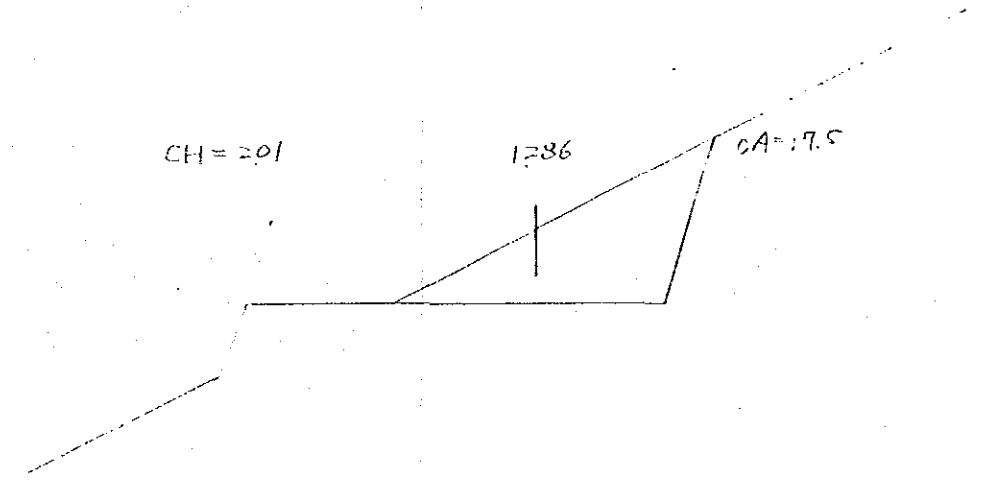
CA=60



CH=201

1286

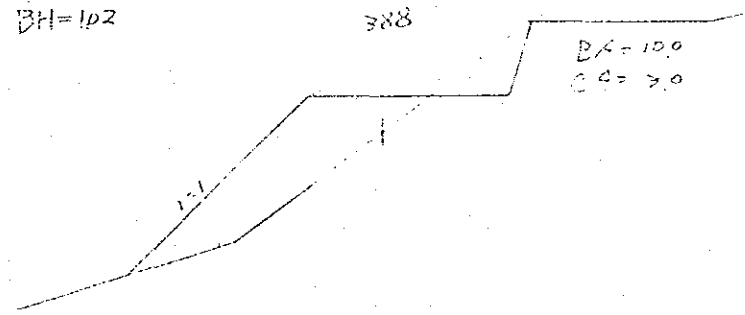
CA=17.5



BH=102

388

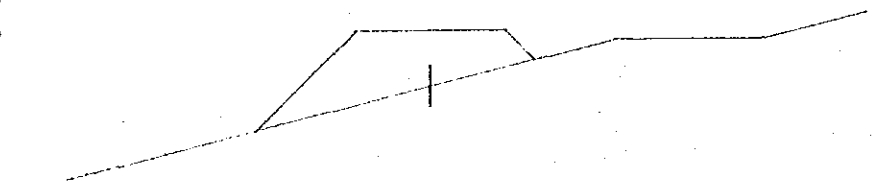
BA=100  
CA=30



BH=148

493

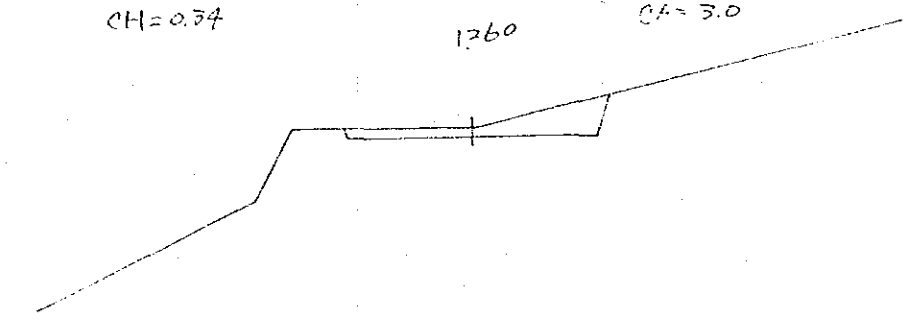
BA=80



CH=074

1260

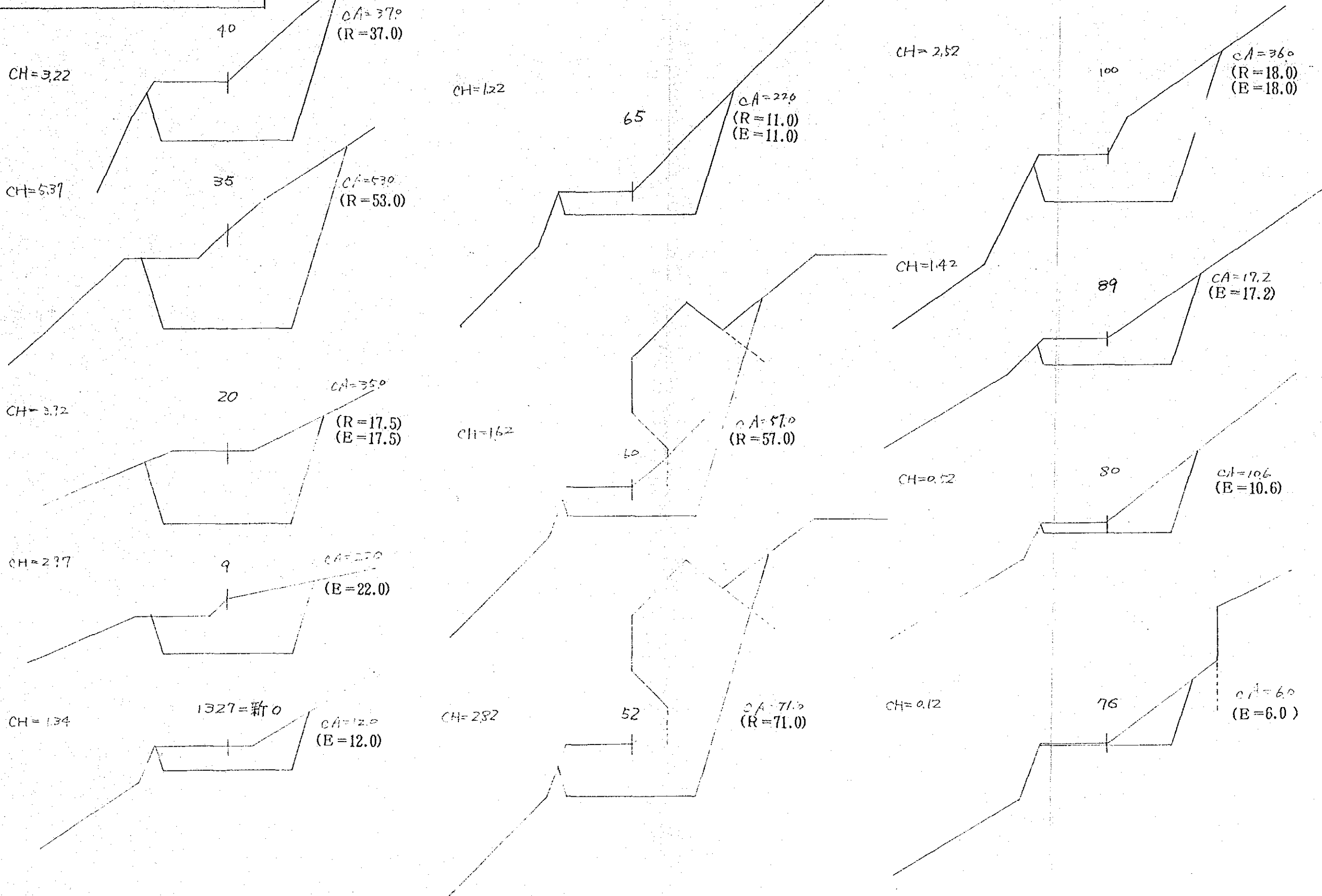
CA=3.0



土質 = 岩・土

No1 橋梁横断面  $S=1/200$   
Bridge Cross Section

Soil Nature  
= Rock and Earth

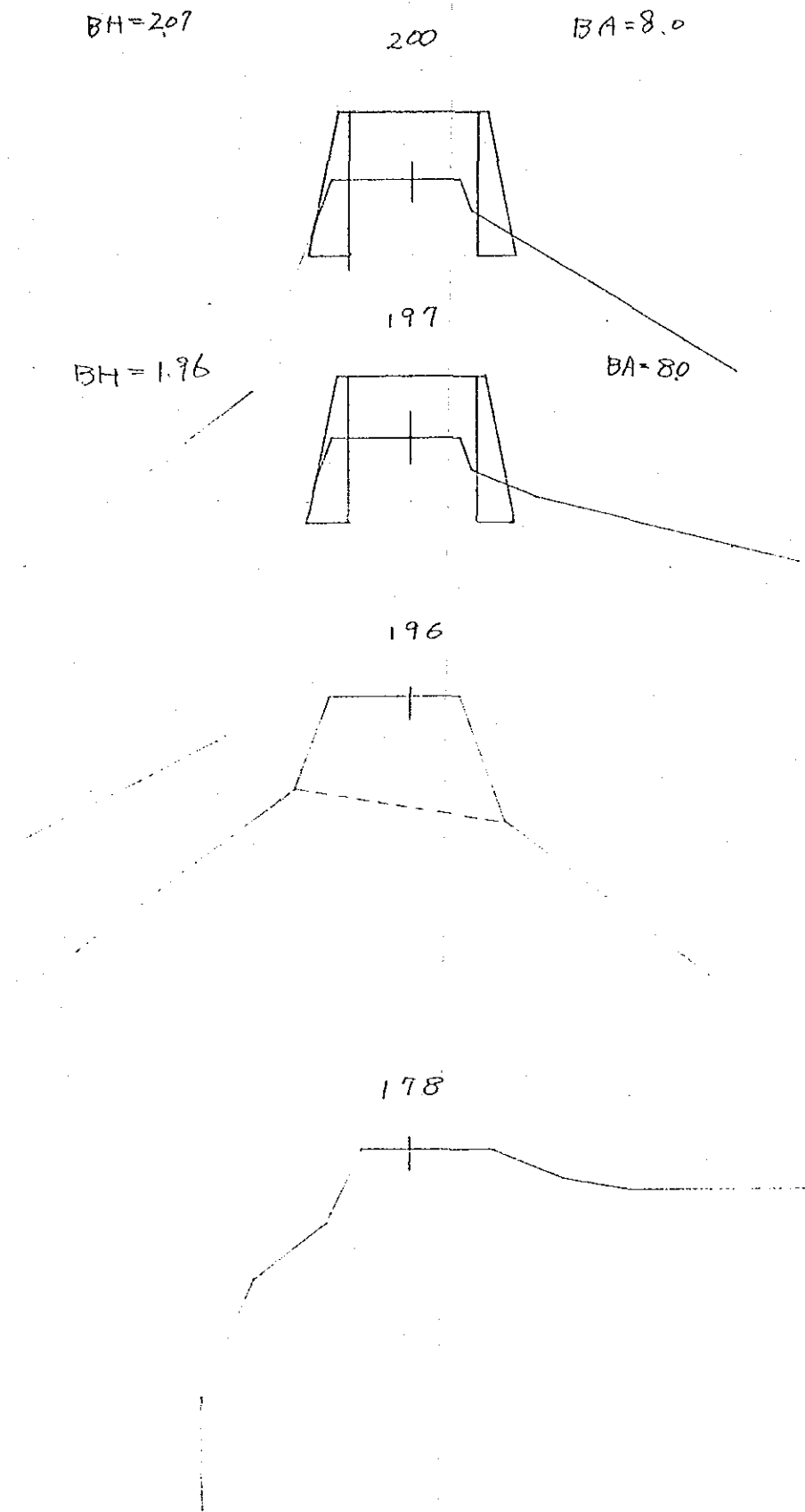
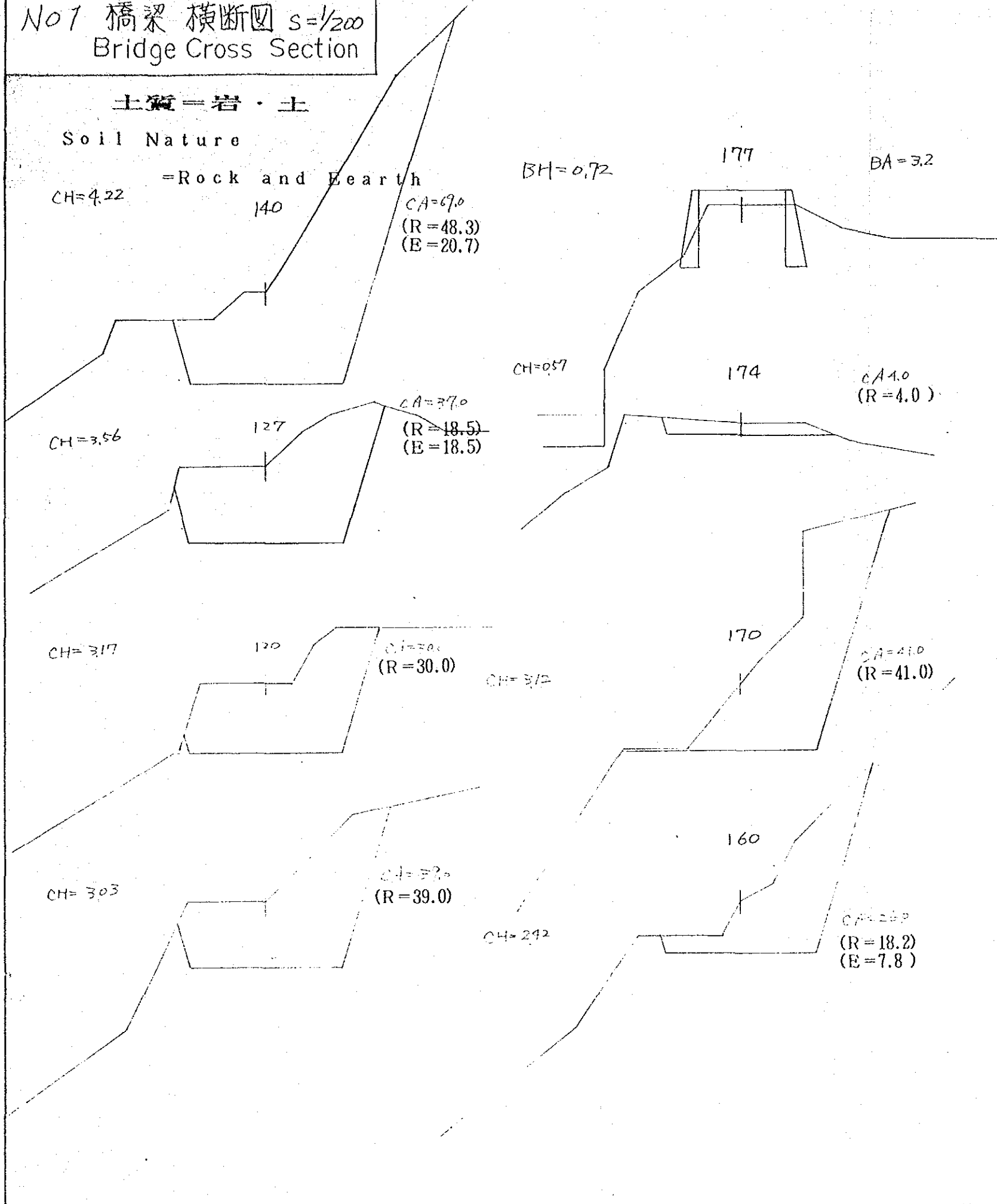


No1 橋梁 横断面  $s=1/200$   
 Bridge Cross Section

土質 = 岩・土

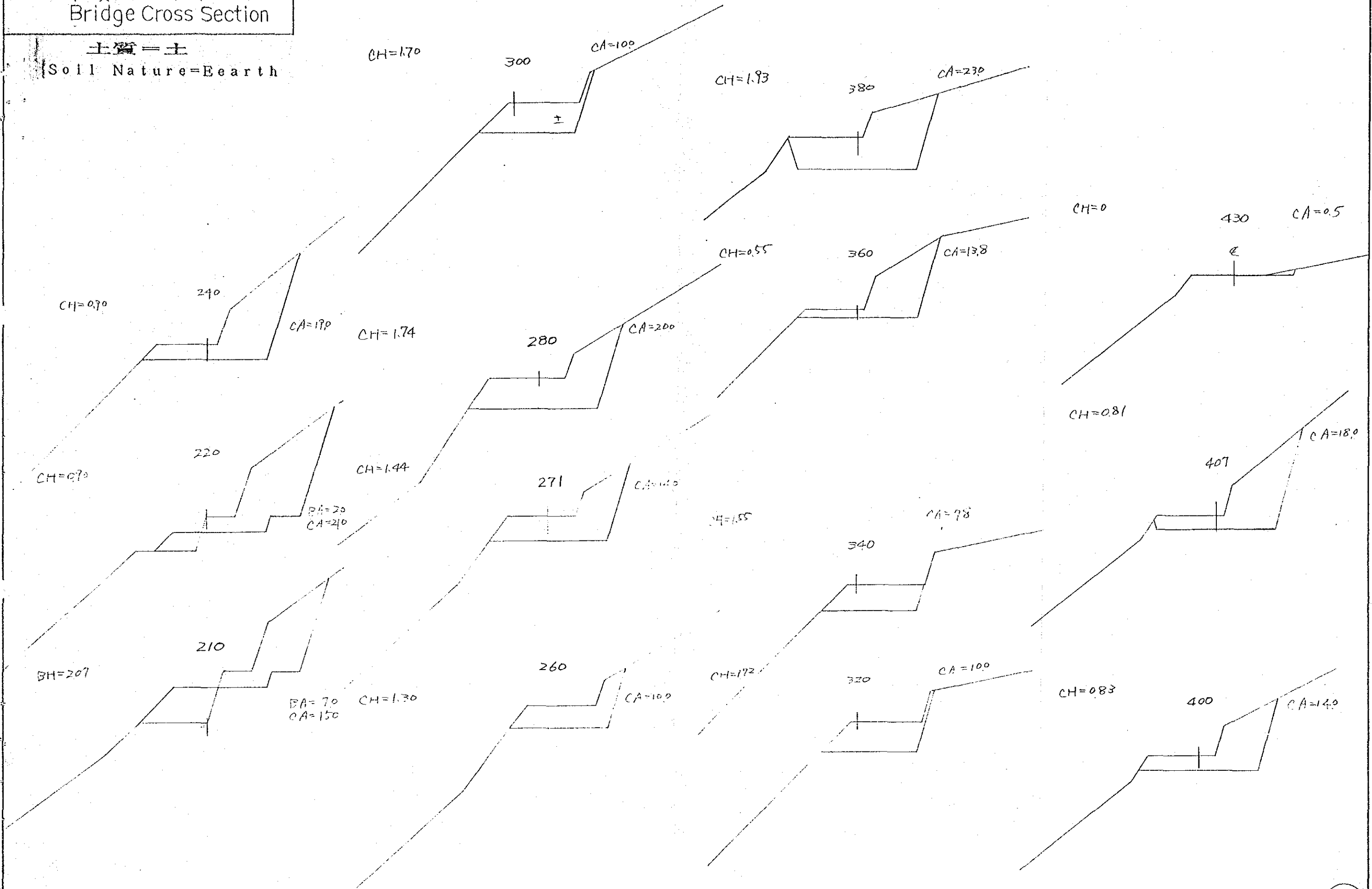
Soil Nature

= Rock and Earth

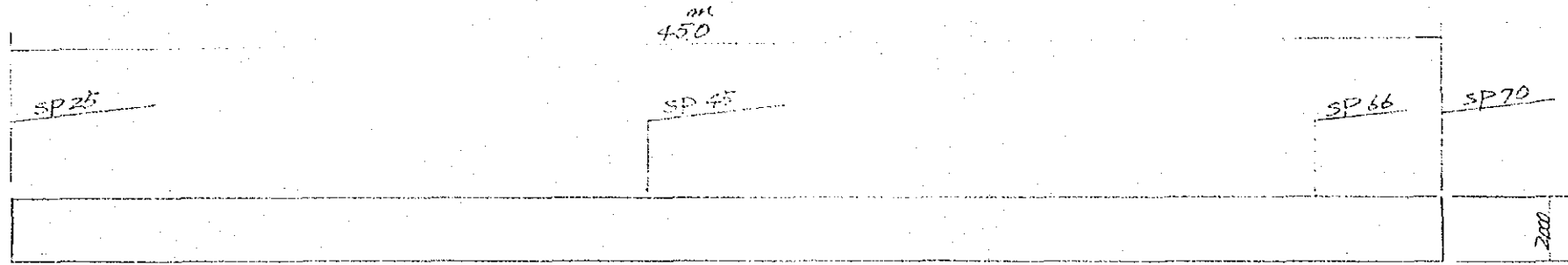


No1 橋梁 横断图  $s=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth



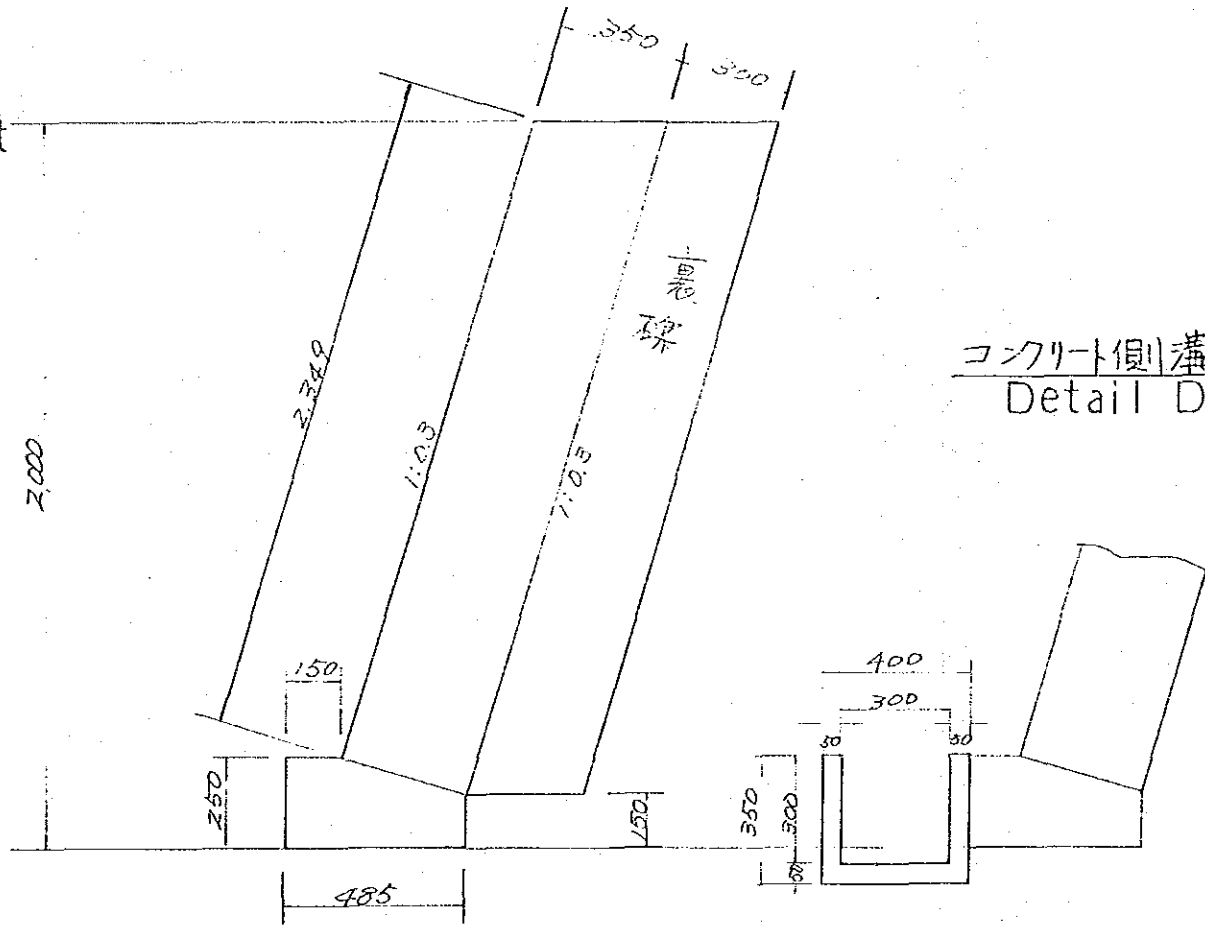
野面練石積正面図  $s=1/200$   
Stone Masonry Front View



野面石積詳細図  $s=1/20$   
Detail Drawing

材料表 Material List

1M当り per 1m	
石積面積	$m^2$
area	1.827
コンクリート	$m^3$
concrete	0.105
裏石	$m^3$
gravel filling	0.58
型枠	$m^2$
frame	0.25

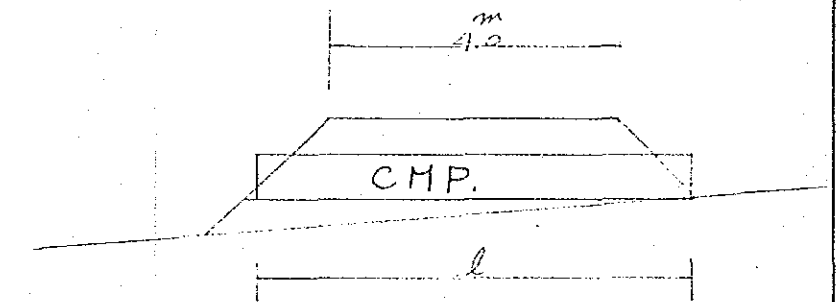


コンクリート側溝詳細図  $s=1/20$   
Detail Drawing

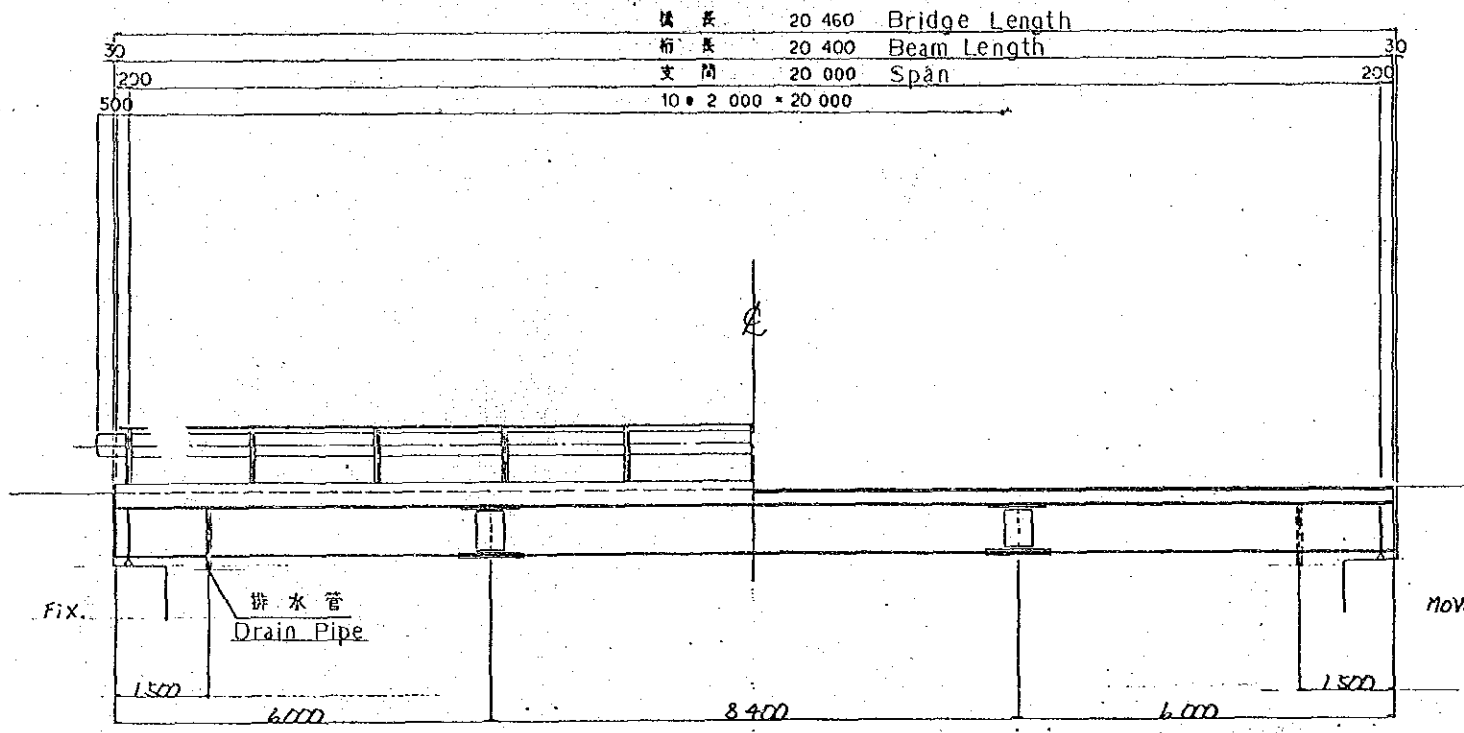
材料表 Material List

コンクリート	$m^3$
concrete	0.05
型枠	$m^2$
frame	$0.35 \times 45 = 15.75$
端部	$0.30 \times 45 \times 2 = 27.00$
edge 計	$0.10$
	$= 42.85$

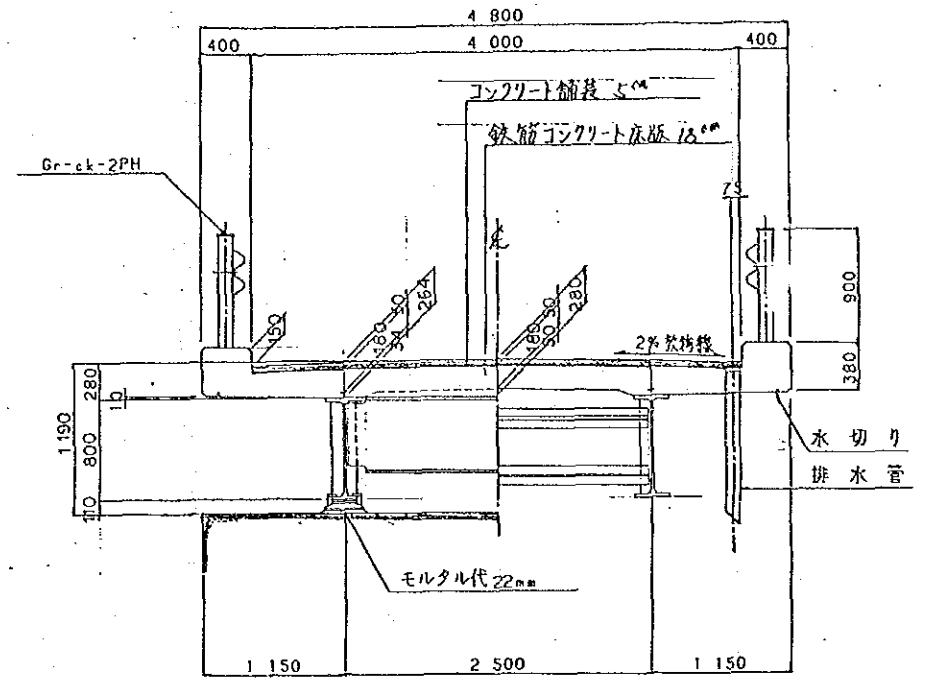
CMP 伏設標準図  $s=1/100$   
CMP Standard Drawing



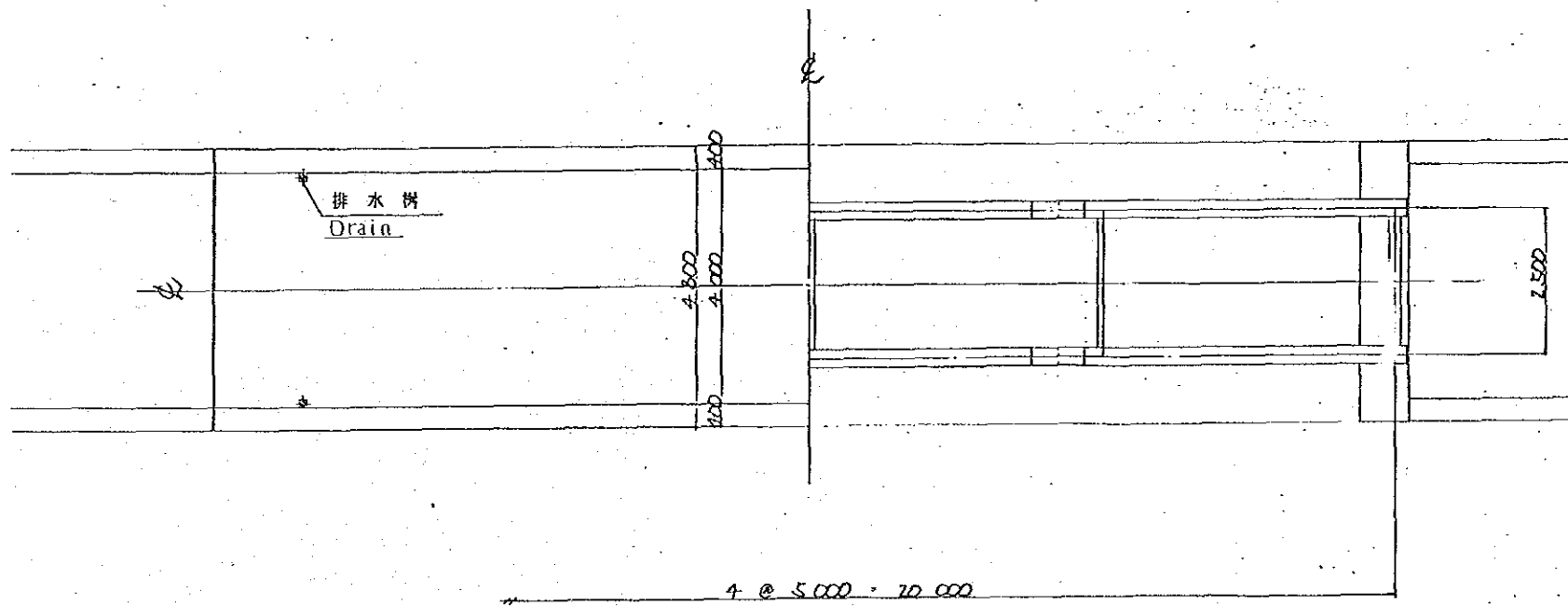
側面図 S=1/60  
Profile



断面図 S=1/30  
Section Drawing



平面図 S=1/60  
Plan



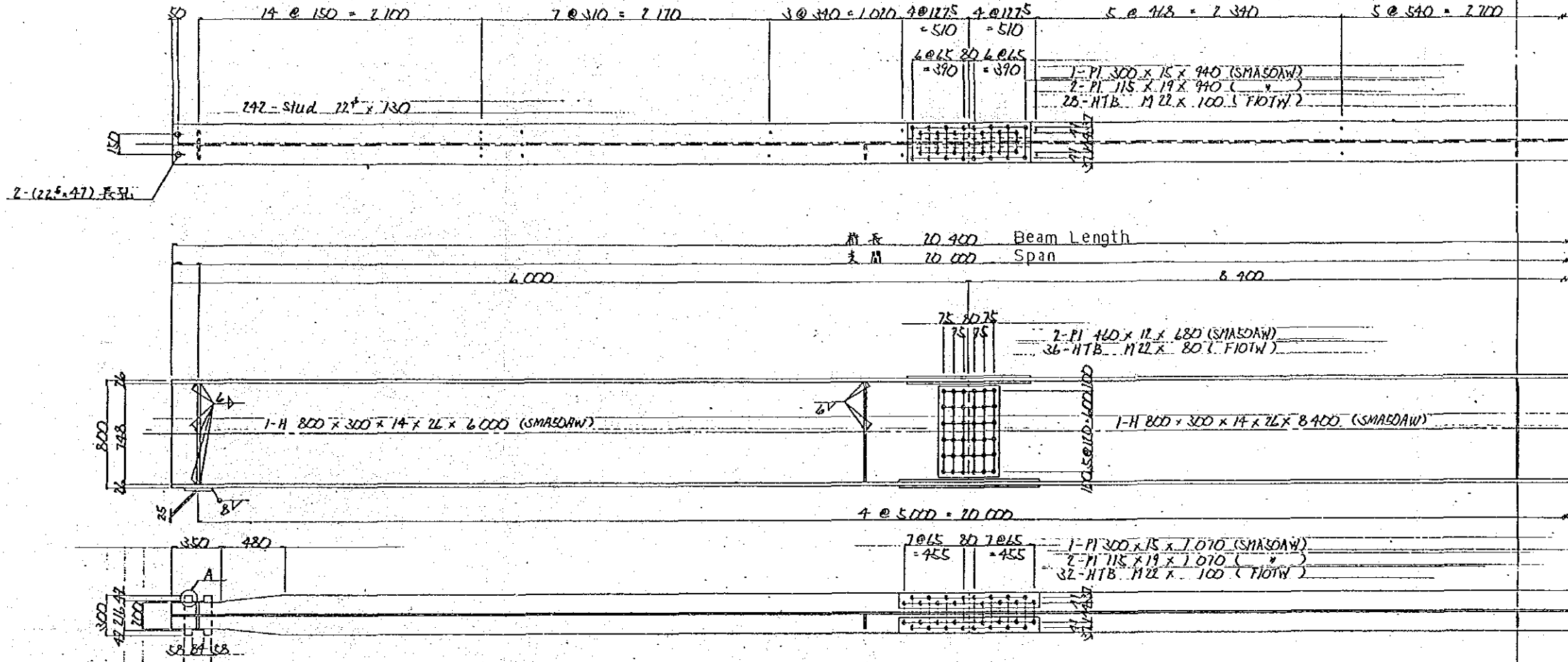
新	尺	1/50	1/30	製	工
課	長	掛	長	掛	部
課	長	掛	長	掛	部

設計番号	F-6500
図面番号	
製図月日	
出図月日	

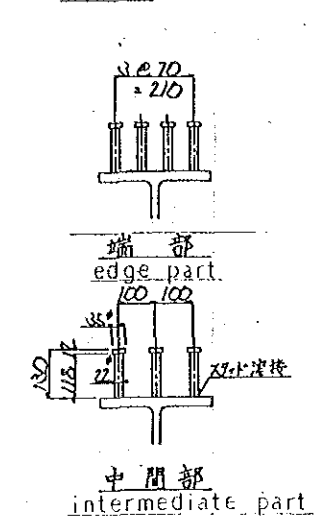


標準設計 (L=20,000)	
矢	通
一	般

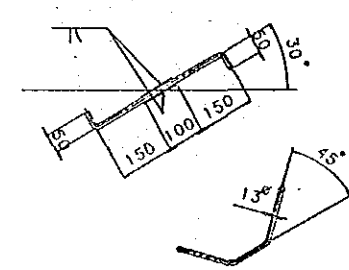
主桁 S=1/20  
Beam



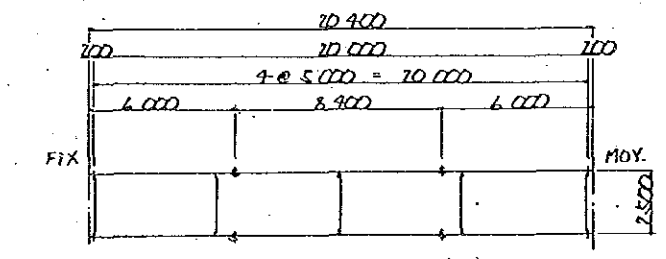
スラットナベル詳細 S=1/10  
Dubel



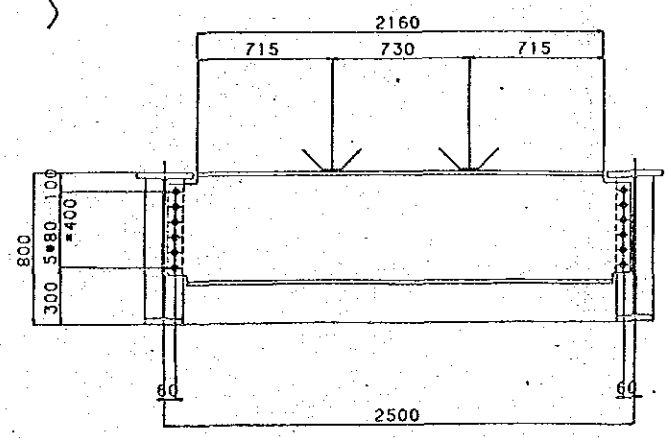
スラブアンカー詳細 S=1/10  
Slab Anchor



配置 S=1/10  
arrangement

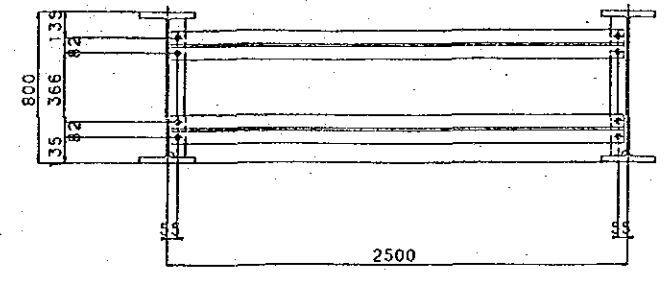


端横桁 S=1/20  
Cross Beam



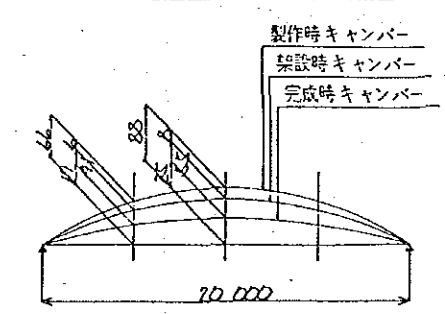
- 1-H 596x199x10x15x2460 (SMA50AW)
- 4-PI 95x12x748 (SMA50AW)
- 12-HTB M22x65 (F10TW)
- 2-RB 13x500 (SR24)

中間横桁 S=1/20  
Cross Beam



- 2-CT 95x152x8x8x2460 (SMA41AW)
- 2-PI 90x9x748 (SMA41AW)
- 8-HTB M20x55 (F10TW)

キャンバー Camber



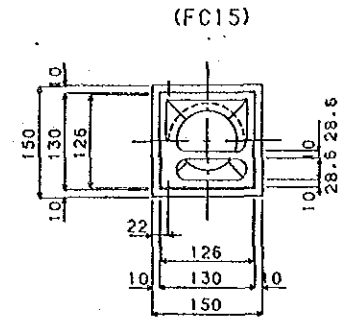
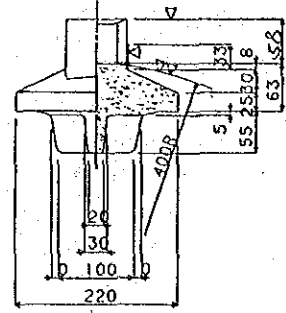
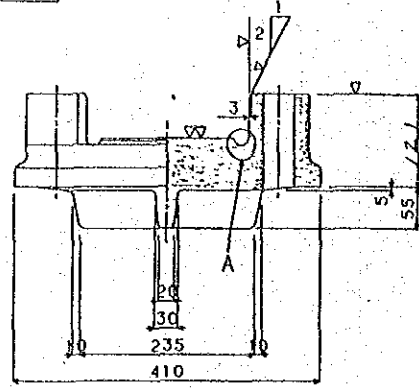
注記 特記なき材質は全てSS41とする。

縮尺	1/10	1/10	1/10	1/10	1/10
縮尺	1/10	1/10	1/10	1/10	1/10
縮尺	1/10	1/10	1/10	1/10	1/10
縮尺	1/10	1/10	1/10	1/10	1/10

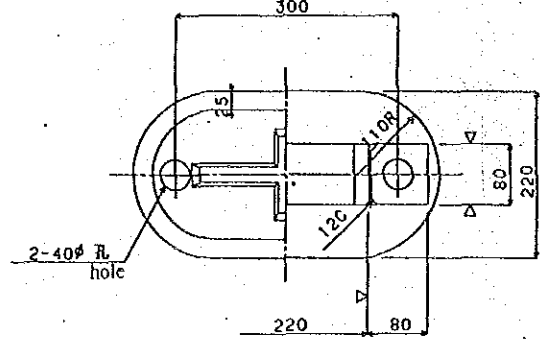
設計番号	F-6500
図面番号	
製図月日	
出図月日	

2/5

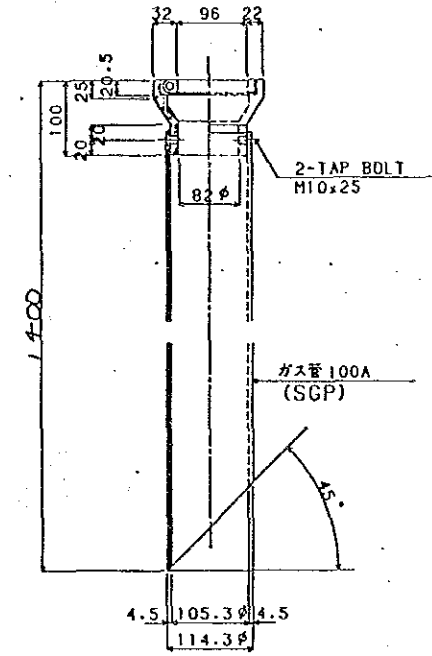
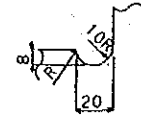
標準設計 (L=20,000)	共通	主桁・横桁・その他
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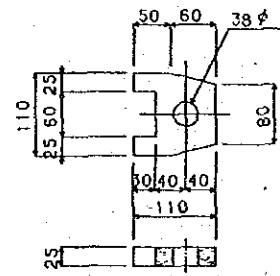
(SC46)



A部詳細 S=1/2  
detail

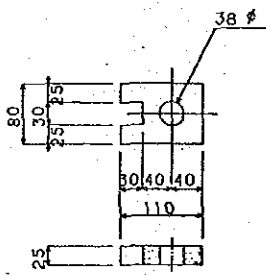


可動側  
movable part

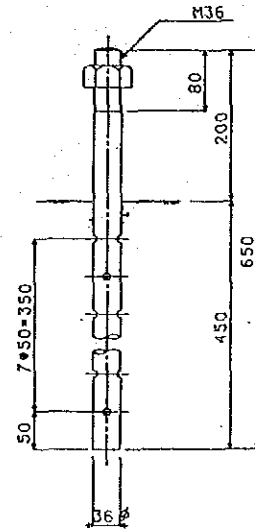


1-PL 110x25x110 (SMA50AW)

固定側  
fixed part



1-PL 80x25x110 (SMA50AW)



- 注記 1. 特記なき材質は全てSS41とする。  
2. 沓及び排水管のガス管はクルエポキシ樹脂塗料を工場にて3回塗布とする。

縮尺	1/5	製図	工務部
課長		担当	
		教授	

設計番号	F-6500
図面番号	
製図日	
出図日	

3/5

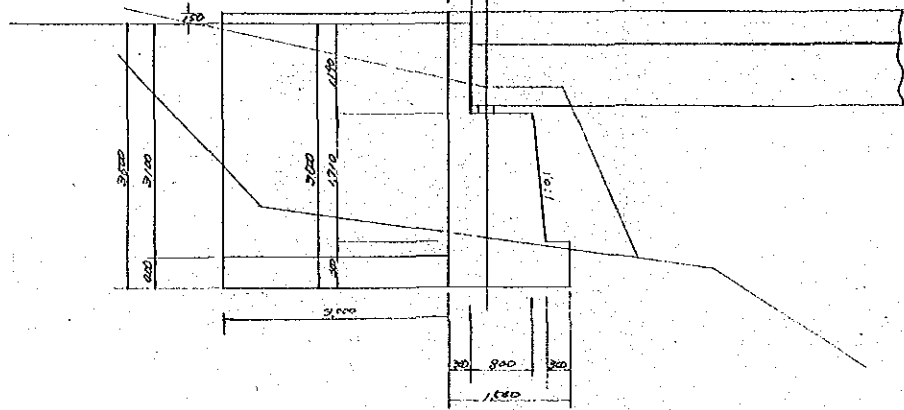
標準設計 (L=20,000)	共通
	沓・排水管





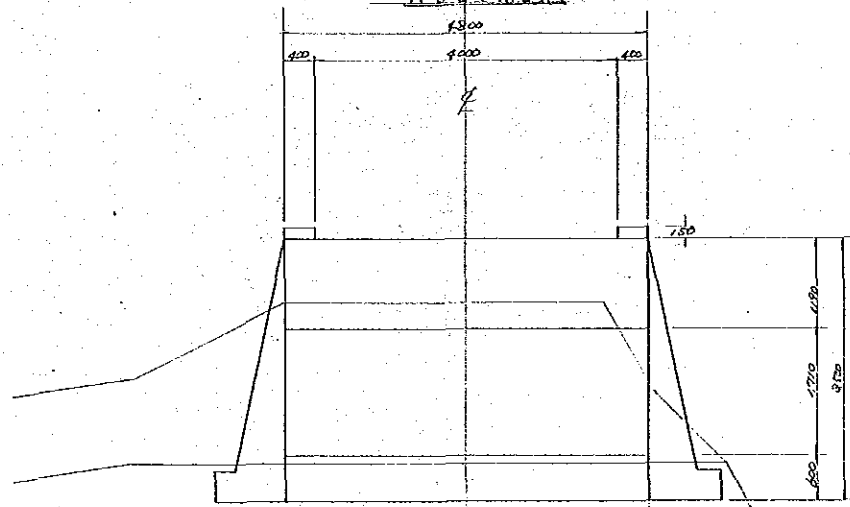
橋長 20.460  
附長 20.900  
支間 20.000

側壁正面圖  
Side Wall

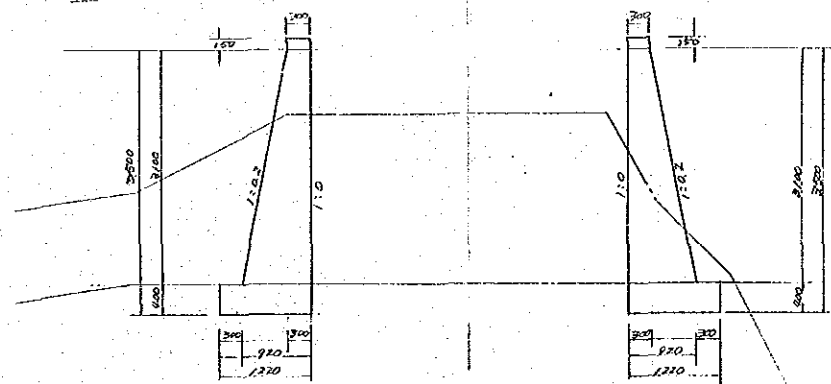


第1橋台側面圖  
Abutment

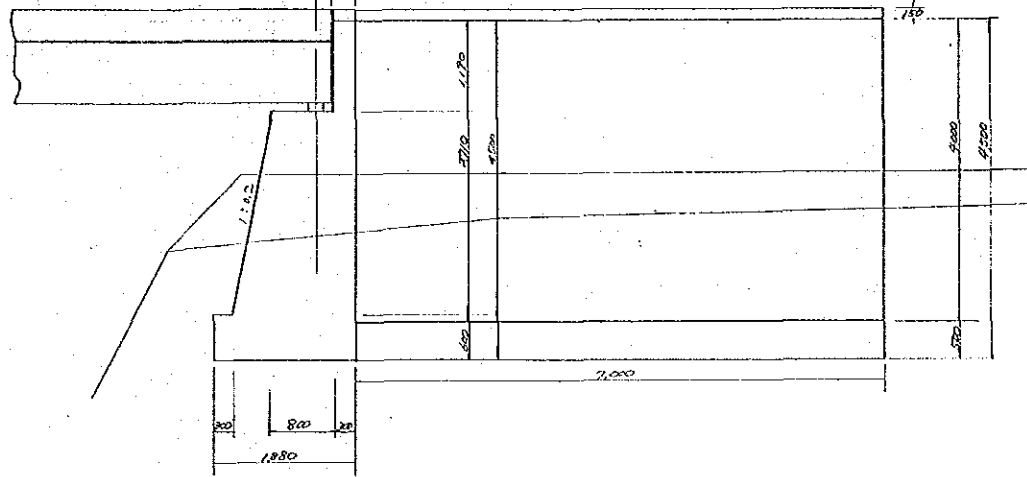
第1橋台正面圖  
Abutment



側壁側面圖  
Side Wall

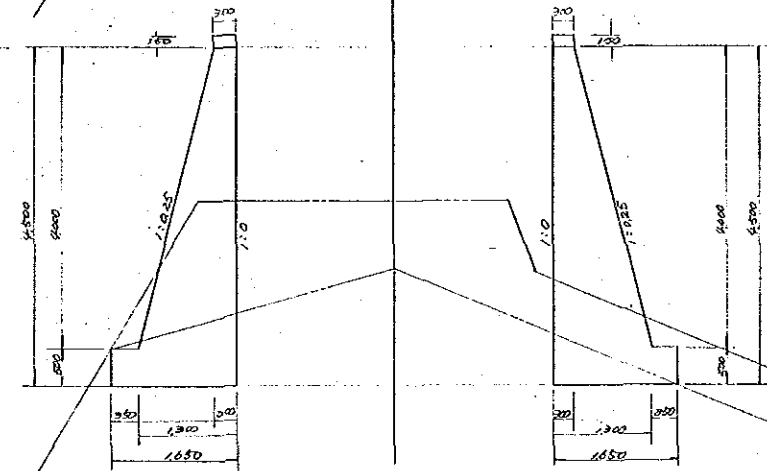
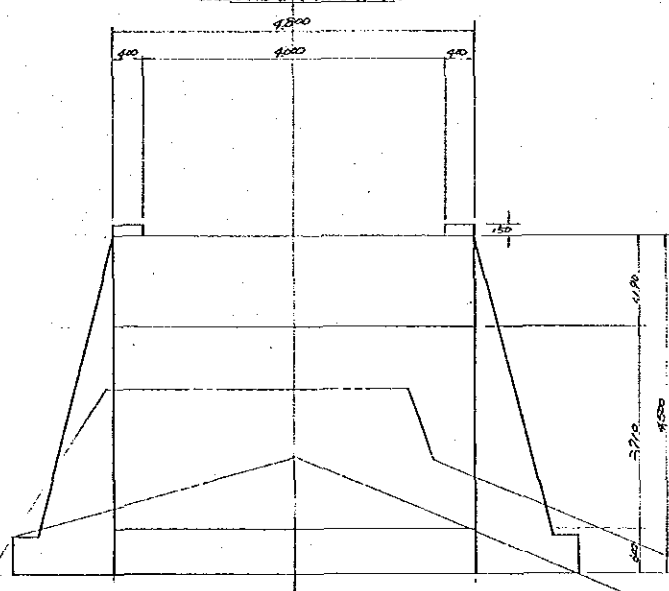


側壁正面圖  
Side Wall

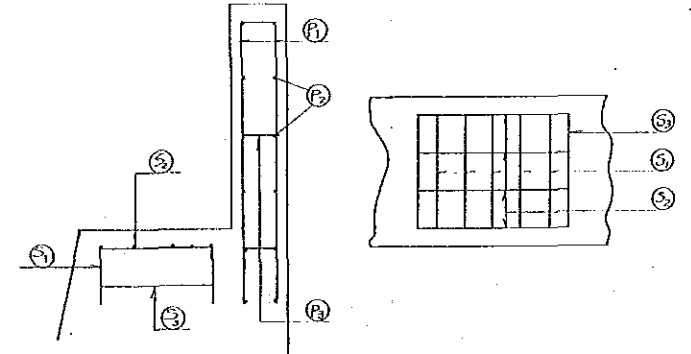


第2橋台側面圖  
Abutment

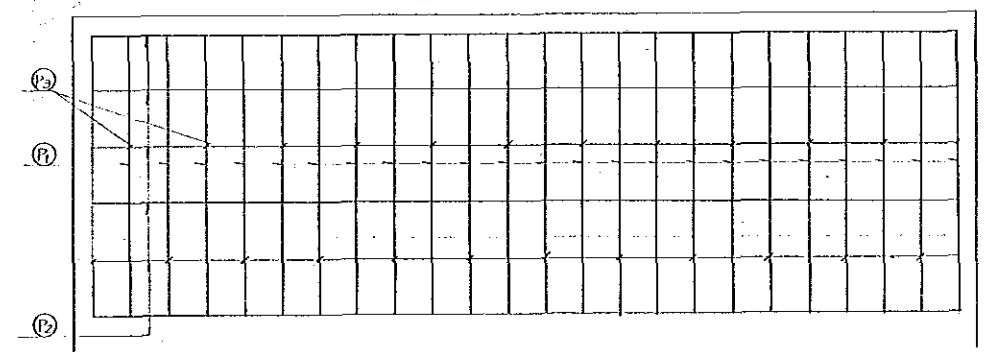
第2橋台正面圖  
Abutment



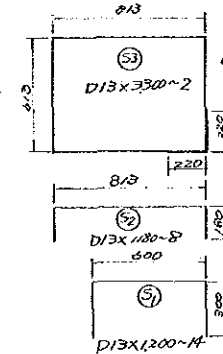
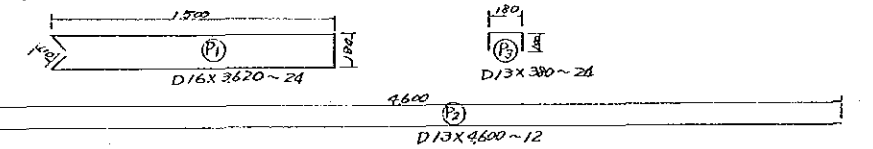
橋座、胸壁詳細圖  
Detail Drawing  $S=1/20$



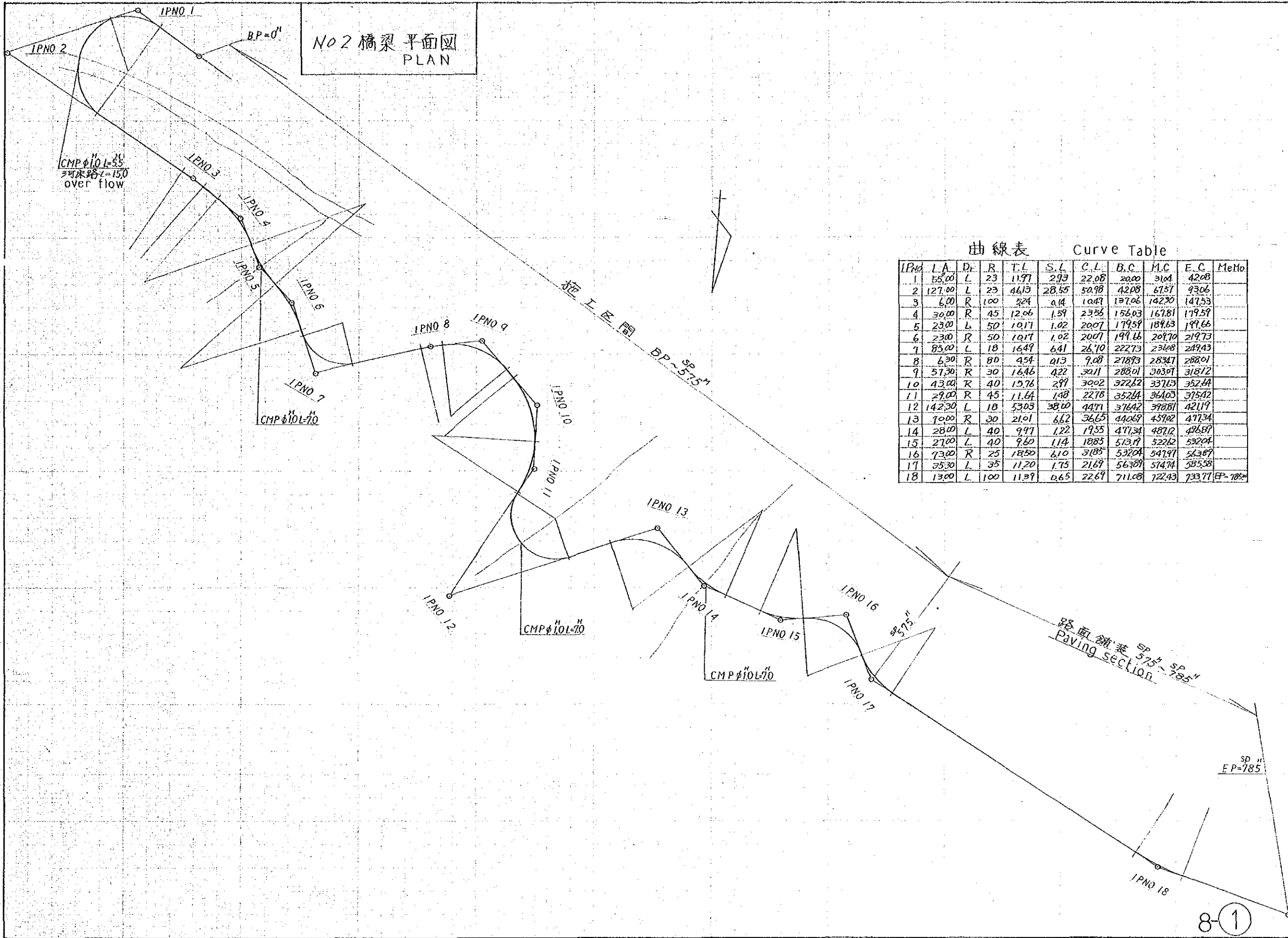
胸壁正面圖 Parapet



鉄筋加工圖 Reinforcing Bar



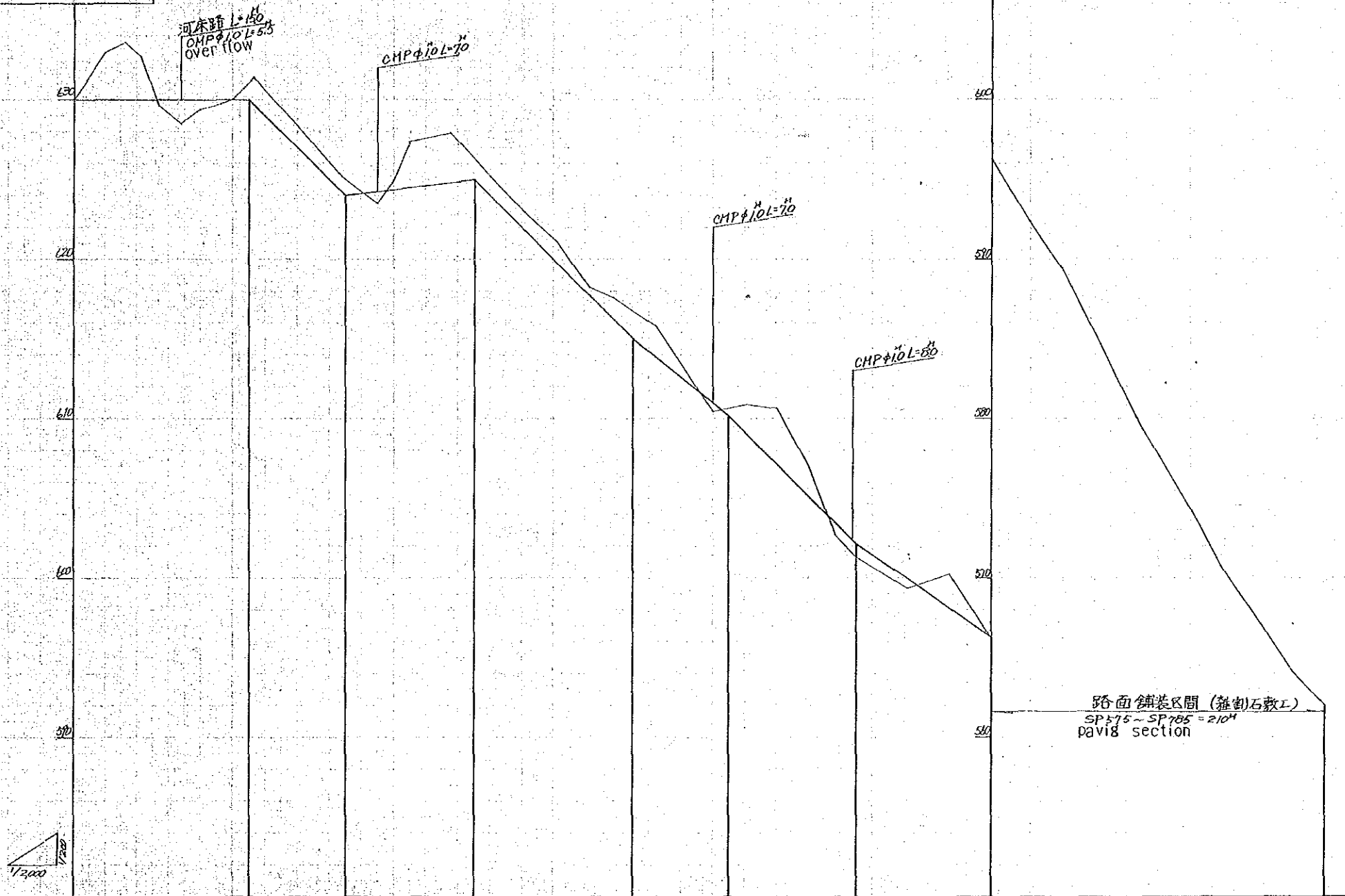
No2 橋梁 平面圖  
PLAN



曲線表 Curve Table

IPNO	L.A.	D.F.	R.	T.L.	S.L.	C.L.	B.C.	M.C.	E.C.	MeMo
1	55.00	L	23	11.97	2.93	22.08	20.00	31.04	42.08	
2	127.00	L	23	46.13	28.55	50.98	42.08	67.57	93.06	
3	6.00	R	100	3.24	0.14	10.47	137.06	142.30	147.53	
4	30.00	R	45	12.06	1.59	23.85	156.03	167.81	179.59	
5	23.00	L	50	10.17	1.02	20.07	179.59	189.63	199.66	
6	23.00	R	50	10.17	1.02	20.07	199.66	209.70	219.73	
7	83.00	L	18	16.49	6.41	26.70	222.73	234.08	249.43	
8	6.30	R	80	4.54	0.13	9.08	278.93	283.47	288.01	
9	57.30	R	30	16.46	4.22	30.11	288.01	303.01	318.12	
10	43.00	R	40	13.76	2.97	30.02	322.62	337.63	352.64	
11	29.00	R	45	11.64	1.48	22.78	352.64	364.03	375.02	
12	142.30	L	18	53.03	38.00	44.71	376.42	398.81	421.19	
13	70.00	R	30	21.91	6.62	36.65	440.69	459.02	477.34	
14	28.00	L	40	9.77	1.22	19.55	477.34	487.12	496.89	
15	27.00	L	40	9.60	1.14	18.85	513.17	522.62	532.04	
16	73.00	R	25	18.50	6.10	31.85	532.04	547.97	563.89	
17	35.30	L	35	11.20	1.75	21.69	563.89	574.74	585.58	
18	13.00	L	100	11.39	0.65	22.67	711.08	722.43	733.77	EP=785'

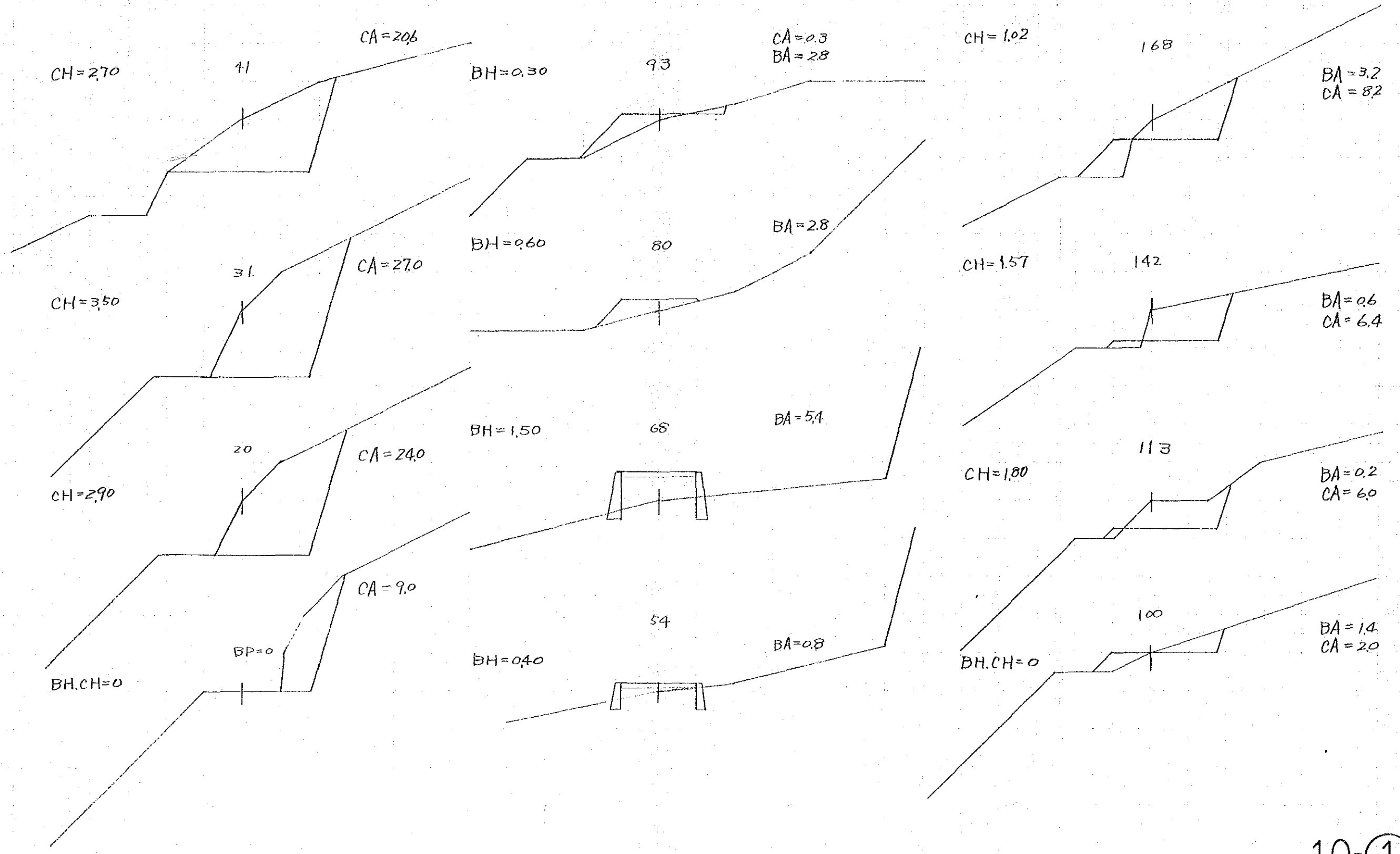
No2 橋梁 縱斷圖  
Drawing Profile



SP	G	H	F	H	C	H	B	H	G
BP	630.00	0	630.00	0	0	0	0	0	630.00
30	632.90	2.90	630.00	2.90	0	0	0	0	630.00
31	633.00	3.00	630.00	3.00	0	0	0	0	630.00
41	632.70	2.70	630.00	2.70	0	0	0	0	630.00
54	629.60	0	630.00	0	0	0	0	0	630.00
60	620.50	0	630.00	0	0	0	0	0	630.00
80	629.40	0	630.00	0	0	0	0	0	630.00
95	629.70	0	630.00	0	0	0	0	0	630.00
100	630.00	0	630.00	0	0	0	0	0	630.00
113	631.50	1.50	629.70	1.80	0	0	0	0	630.00
142	625.37	0	626.80	1.43	0	0	0	0	630.00
165	625.22	0	624.20	1.02	0	0	0	0	630.00
170	623.06	0	624.25	1.19	0.79	0	0	0	630.00
200	624.68	1.68	624.38	0.68	0	0	0	0	630.00
210	627.32	7.32	624.50	2.82	0	0	0	0	630.00
236	627.92	7.92	624.85	3.07	0	0	0	0	630.00
250	625.20	0	624.00	1.20	0	0	0	0	630.00
284	622.67	0	621.60	1.07	0	0	0	0	630.00
303	621.07	0	619.70	1.37	0	0	0	0	630.00
303	618.20	0	617.70	0.50	0	0	0	0	630.00
338	617.60	0	616.20	1.40	0	0	0	0	630.00
364	615.80	0	613.88	1.92	0	0	0	0	630.00
400	610.90	0	611.00	0.10	0.60	0	0	0	630.00
421	610.86	0	609.10	1.76	0	0	0	0	630.00
440	610.62	0	607.20	3.42	0	0	0	0	630.00
460	606.98	0	605.20	1.78	0	0	0	0	630.00
477	602.71	0	603.50	0.79	0	0	0	0	630.00
487	601.32	0	604.50	3.18	0	0	0	0	630.00
522	599.36	0	599.86	0.50	0	0	0	0	630.00
545	609.20	0	598.14	2.06	0	0	0	0	630.00
604	597.89	0	597.02	0.87	0	0	0	0	630.00
575	578.25	0	578.25	0	0	0	0	0	630.00
600	592.88	0	592.38	0.50	0	0	0	0	630.00
620	589.28	0	589.28	0	0	0	0	0	630.00
640	585.31	0	585.31	0	0	0	0	0	630.00
670	579.35	0	579.35	0	0	0	0	0	630.00
700	574.35	0	574.35	0	0	0	0	0	630.00
722	570.69	0	570.69	0	0	0	0	0	630.00
740	567.94	0	567.94	0	0	0	0	0	630.00
745	564.11	0	564.11	0	0	0	0	0	630.00
705	562.00	0	562.00	0	0	0	0	0	630.00

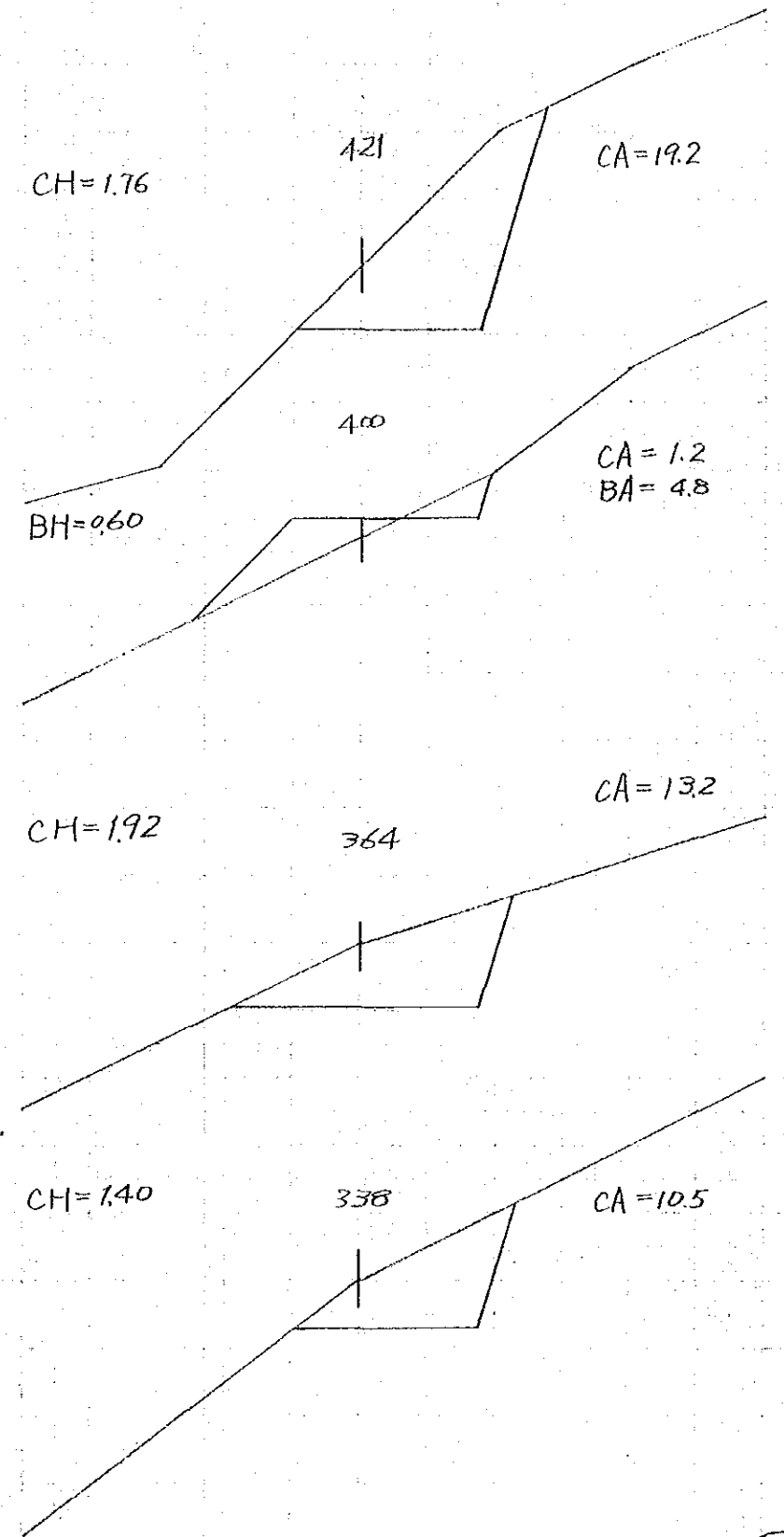
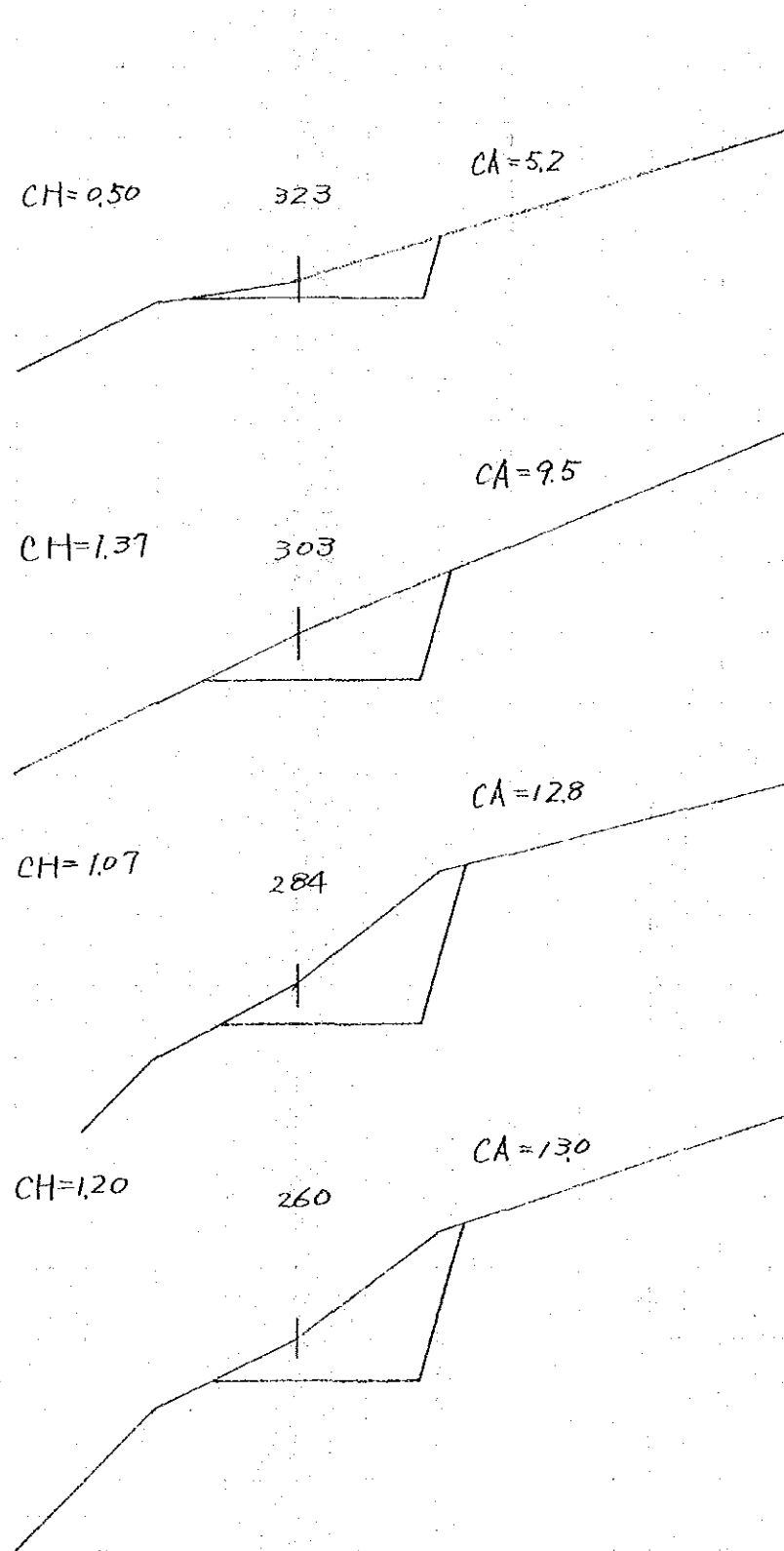
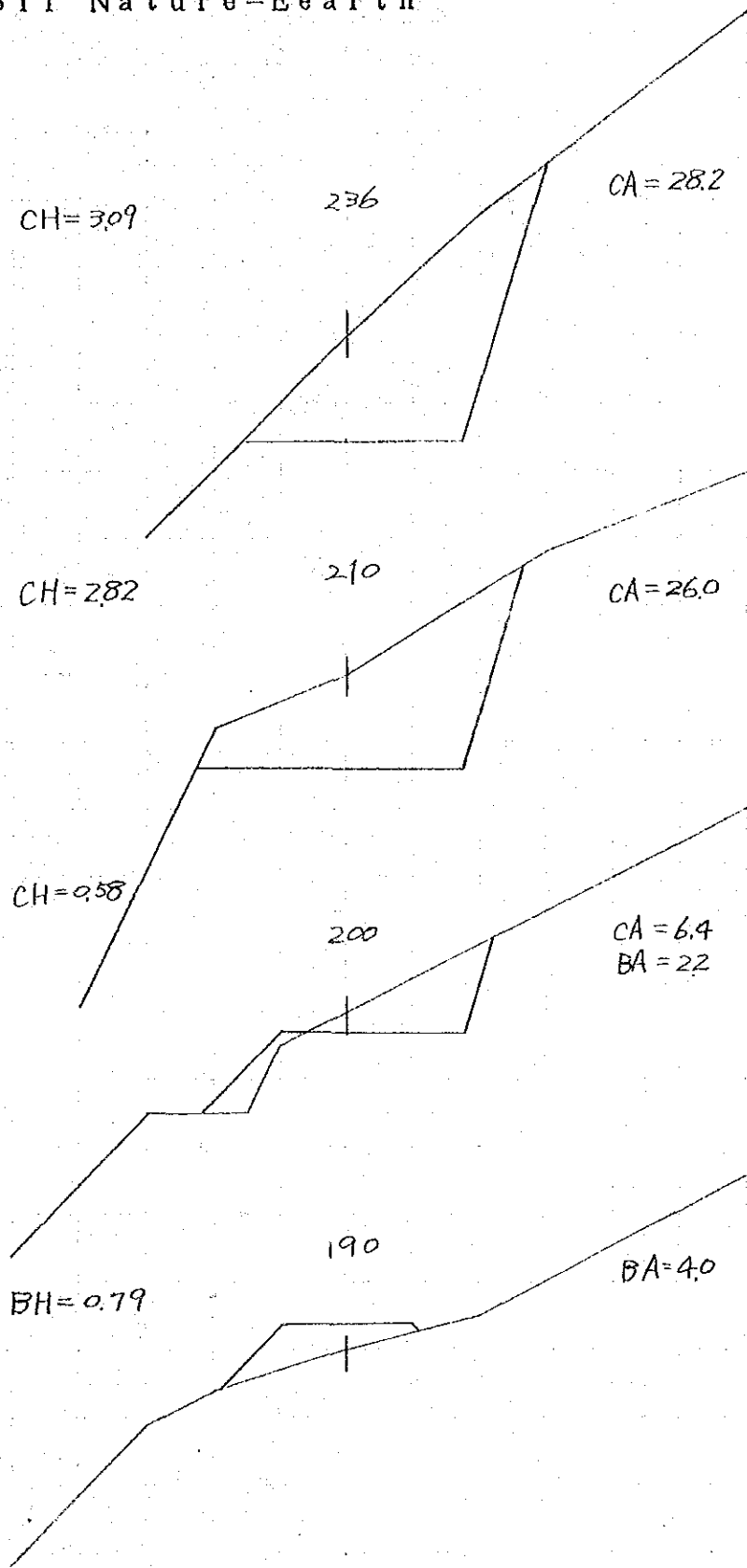
No2 橋梁横断图  $s=1/200$   
 Bridge Cross Section

土質=土  
 Soil Nature=Earth



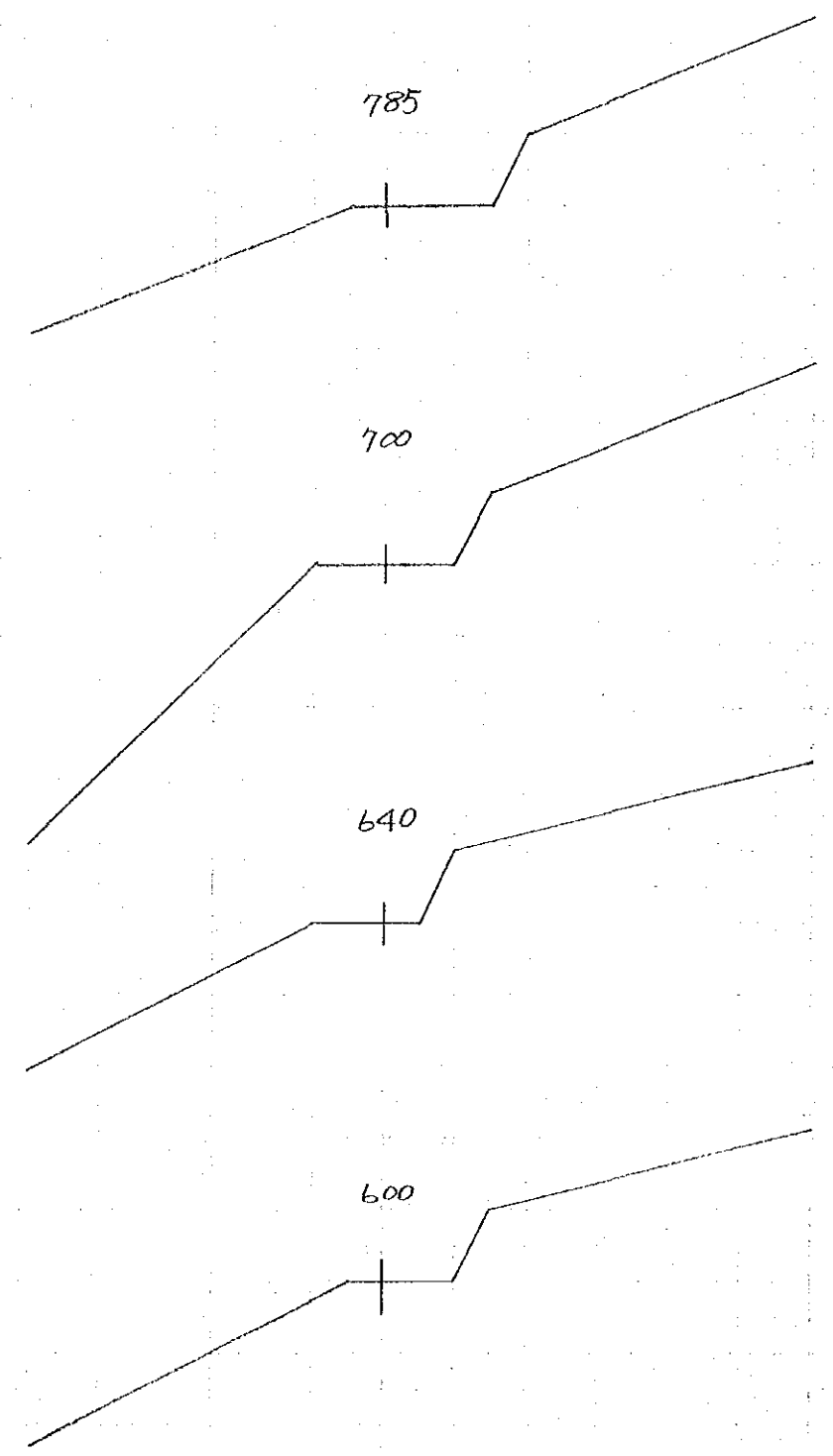
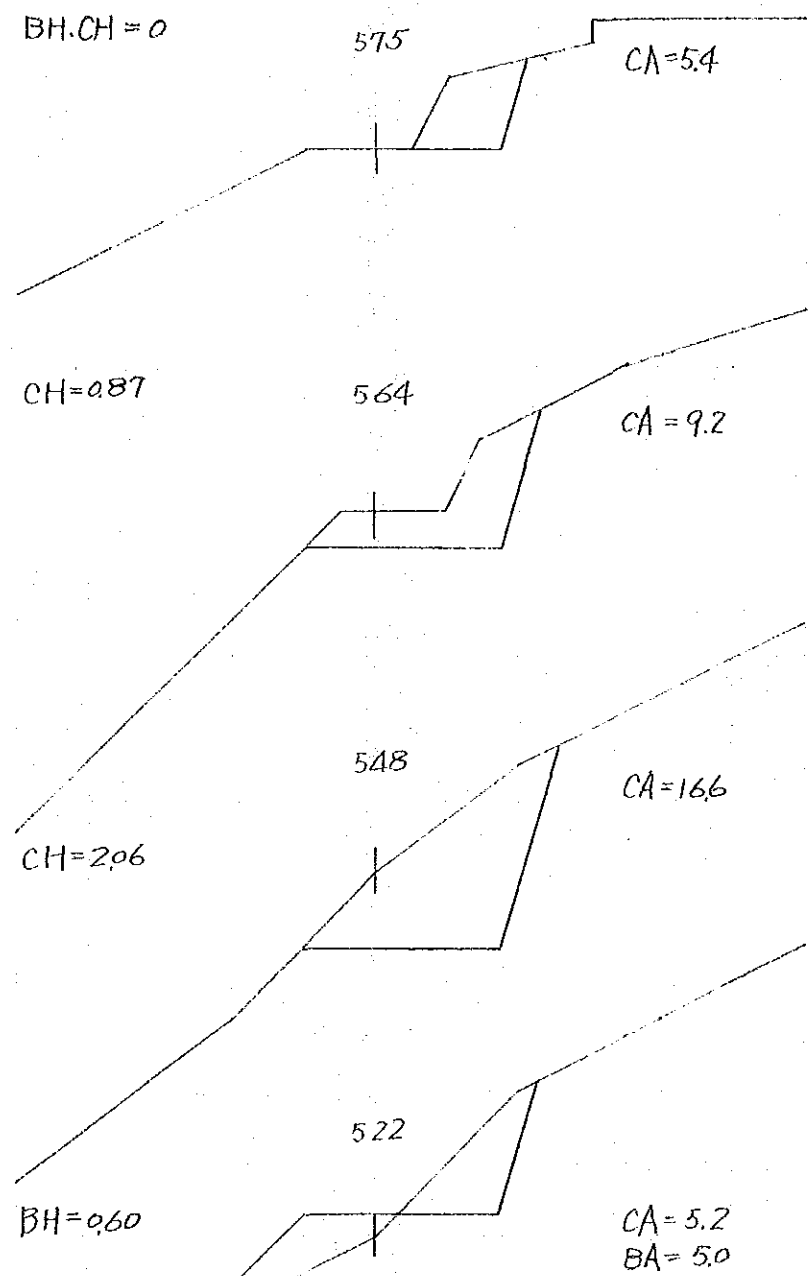
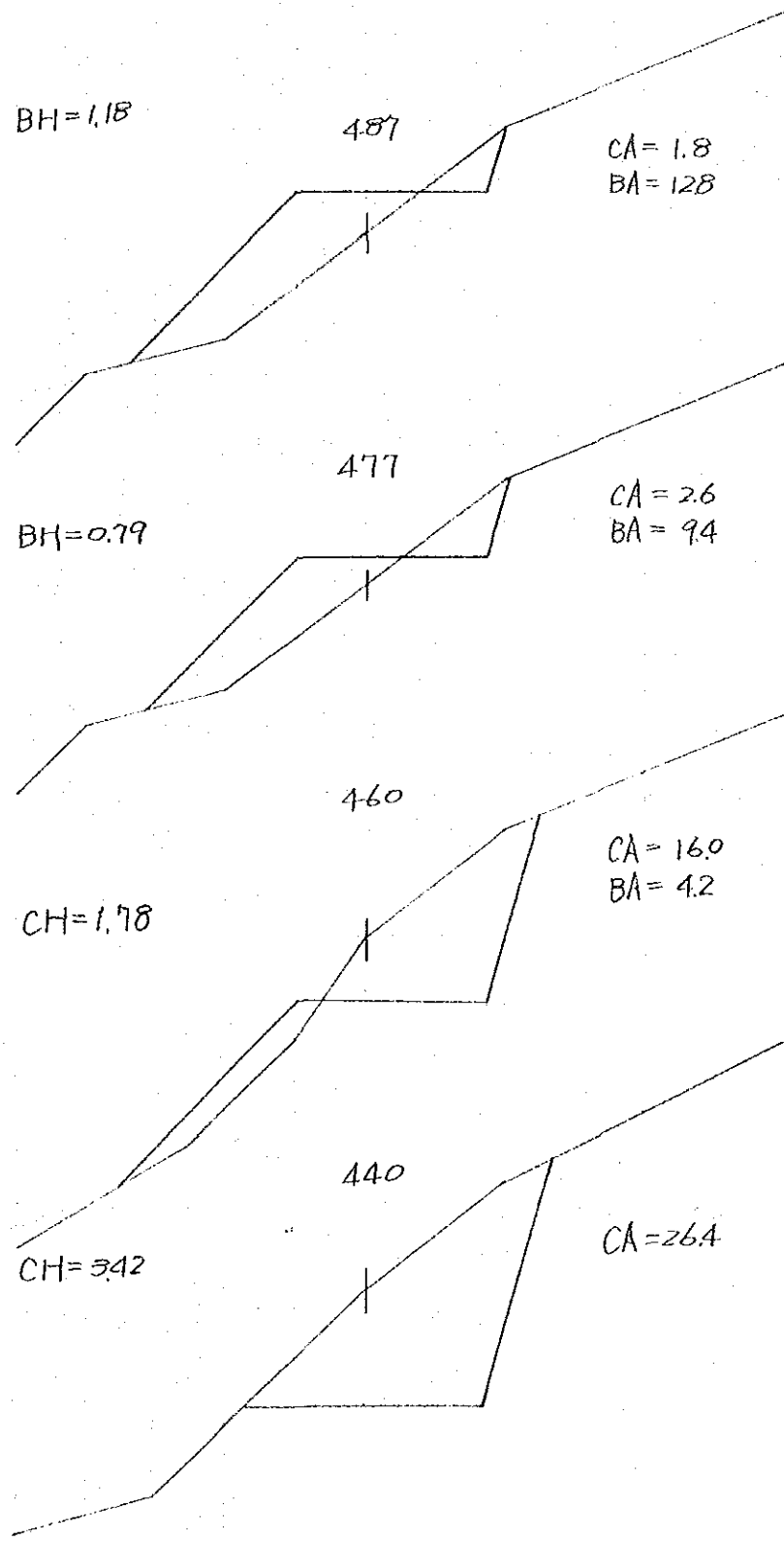
No2 橋梁 横断面  $s=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth



No2 橋梁 横断图  $s=1/200$   
 Bridge Cross Section

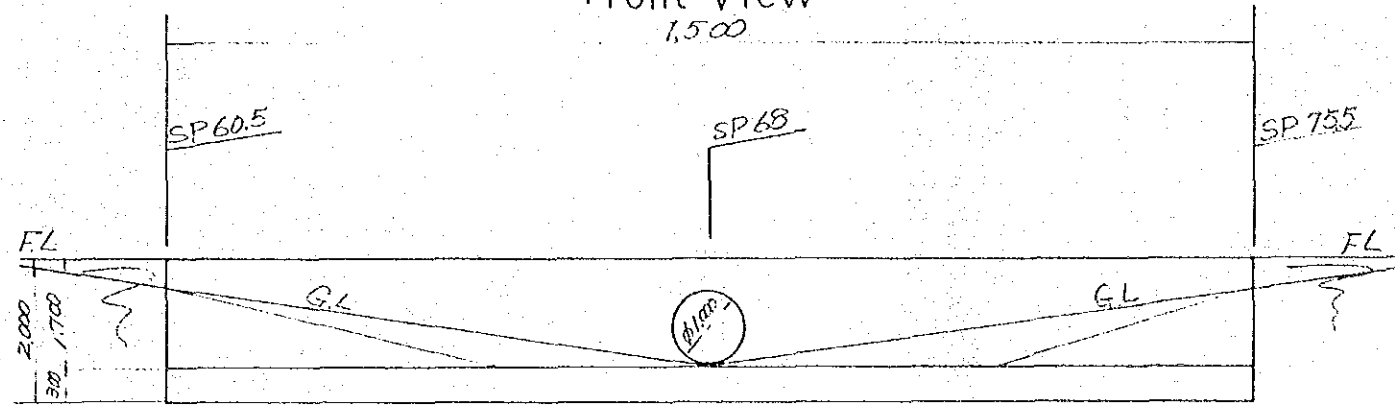
土質 = 土  
 Soil Nature = Earth



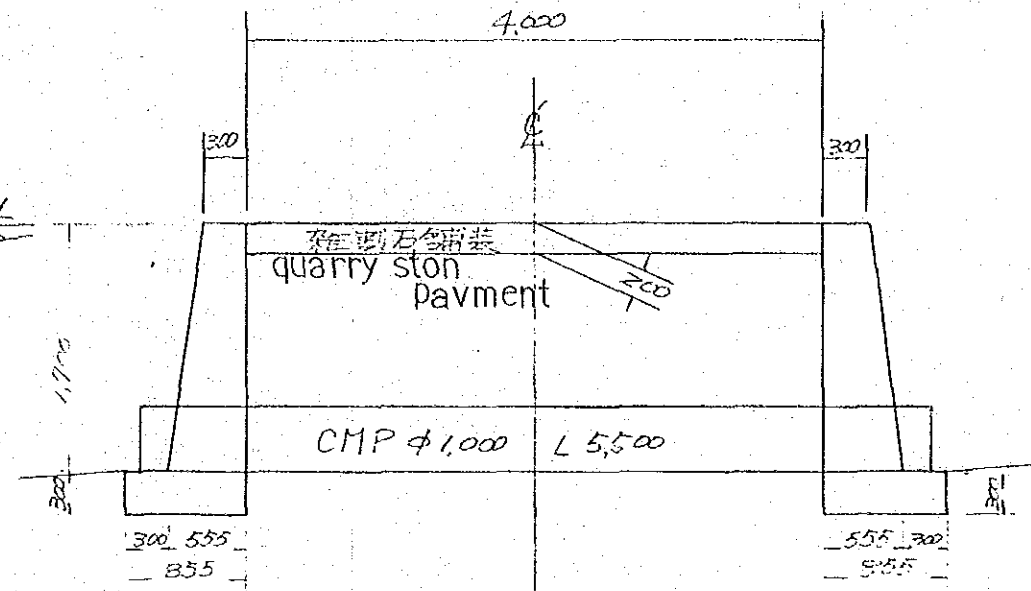
No2 橋梁 河床路  
Bridge Over Flow

OVER FLOW BRIDGE

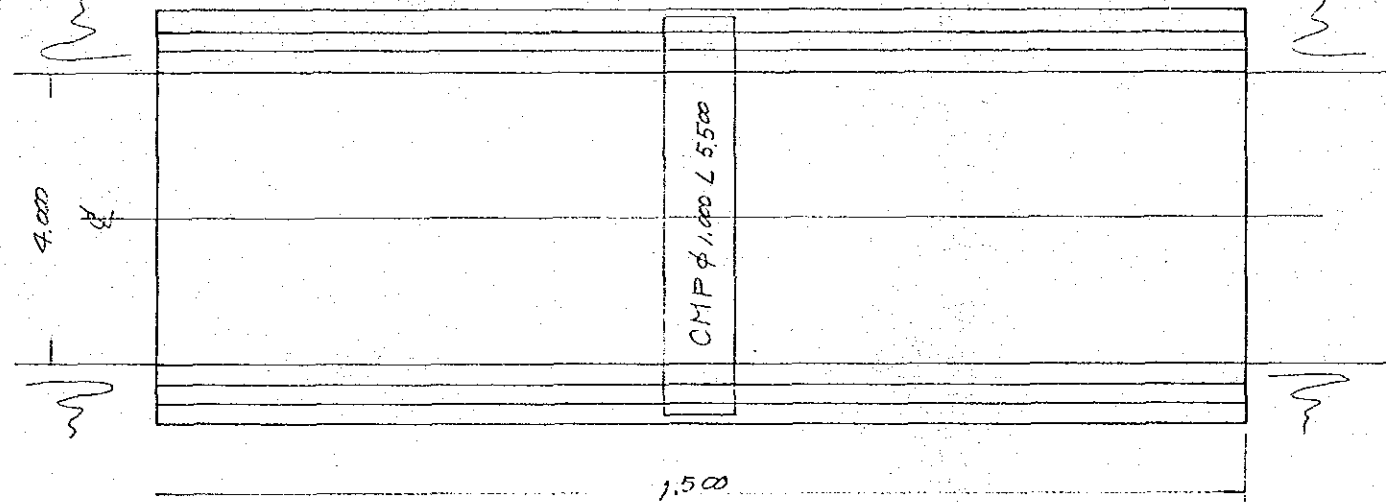
正面図  
Front View  $s=1/100$



側面図  
Profile  $s=1/50$



平面図  
Plan  $s=1/100$

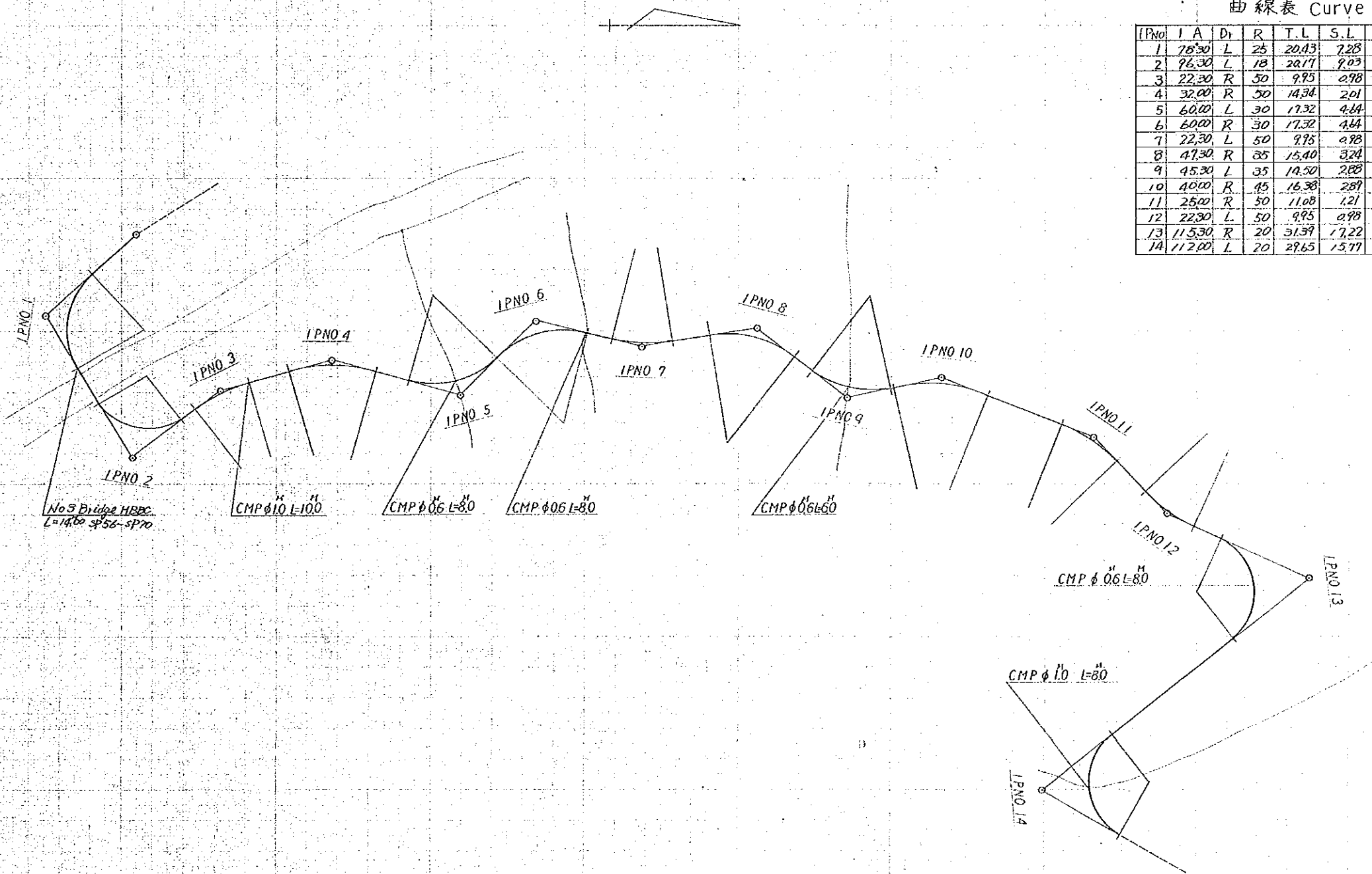


材料表 Material List

1m当り per 1m	
玉石コンクリート	0.983 m <sup>3</sup>
cobble stone concrete	
型枠	3.42 m <sup>2</sup>
frame	
端型枠 1ヶ所	1.97 m <sup>2</sup>
edge frame	
CMP	
φ 1.0 ~ 5,500	m
雑割石舗装	quarry stone
4.00 x 15.00 = 60.0	m <sup>2</sup> Pavment



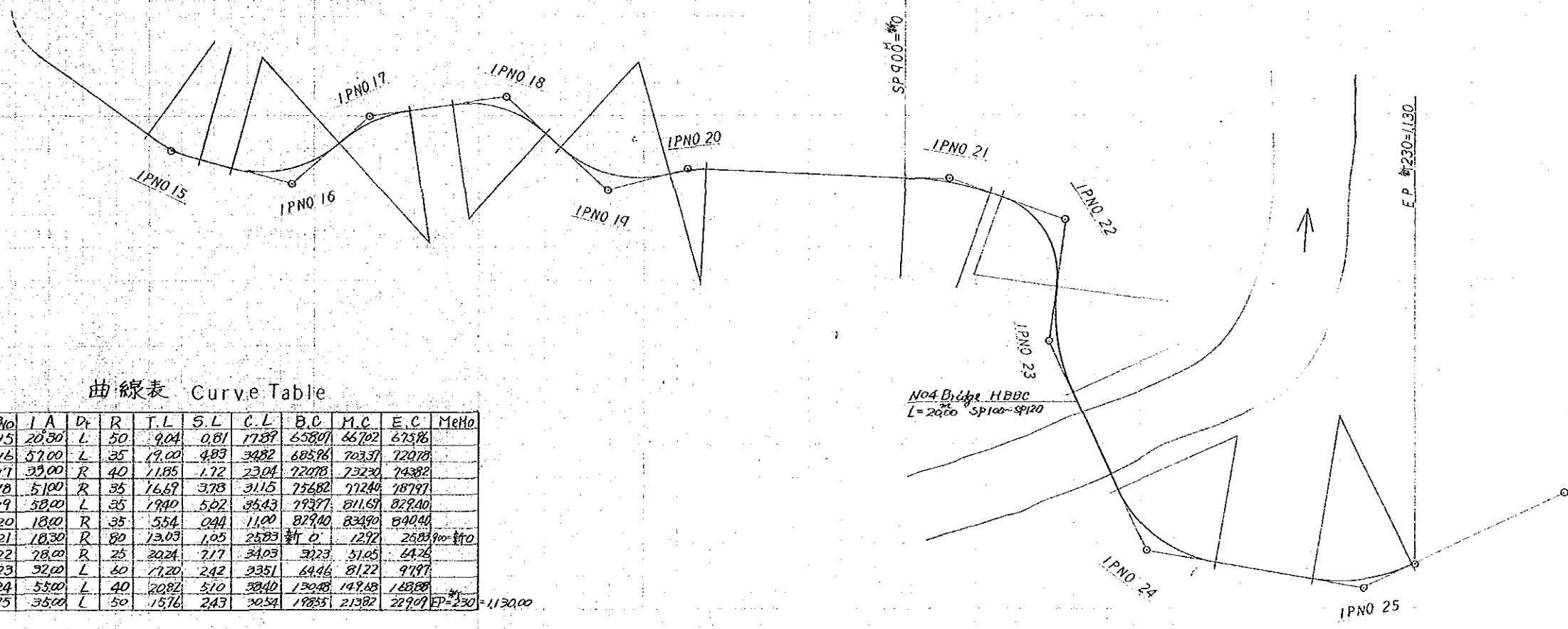
No.3~No.4 橋梁平面図  
PLAN



曲線表 Curve Table

IPNo	I	A	Dr	R	T.L	S.L	C.L	B.C	M.C	E.C	Memo
1	76.30	L	25	20.43	7.28	34.25	22.27	39.39	56.52		
2	96.30	L	18	20.17	9.03	30.32	20.00	85.16	100.32		
3	22.30	R	50	9.95	0.98	19.63	105.92	116.74	125.55		
4	32.00	R	50	14.34	2.01	27.93	139.05	153.02	165.98		
5	60.00	L	30	17.32	4.64	31.42	177.98	192.69	207.40		
6	60.00	R	30	17.32	4.64	31.42	207.40	223.11	240.82		
7	22.30	L	50	9.95	0.98	19.63	243.82	258.64	269.45		
8	47.30	R	35	15.40	3.24	29.02	280.85	295.46	307.97		
9	45.30	L	35	14.50	2.88	27.49	314.97	330.72	344.46		
10	40.00	R	45	16.38	2.89	31.02	343.46	361.17	376.88		
11	25.00	R	50	11.08	1.21	21.82	402.89	413.77	424.70		
12	22.30	L	50	9.95	0.98	19.63	438.20	448.02	457.83		
13	11.530	R	20	31.39	17.22	44.14	467.83	487.80	507.97		
14	11.200	L	20	29.65	15.77	39.10	577.97	597.32	617.07		

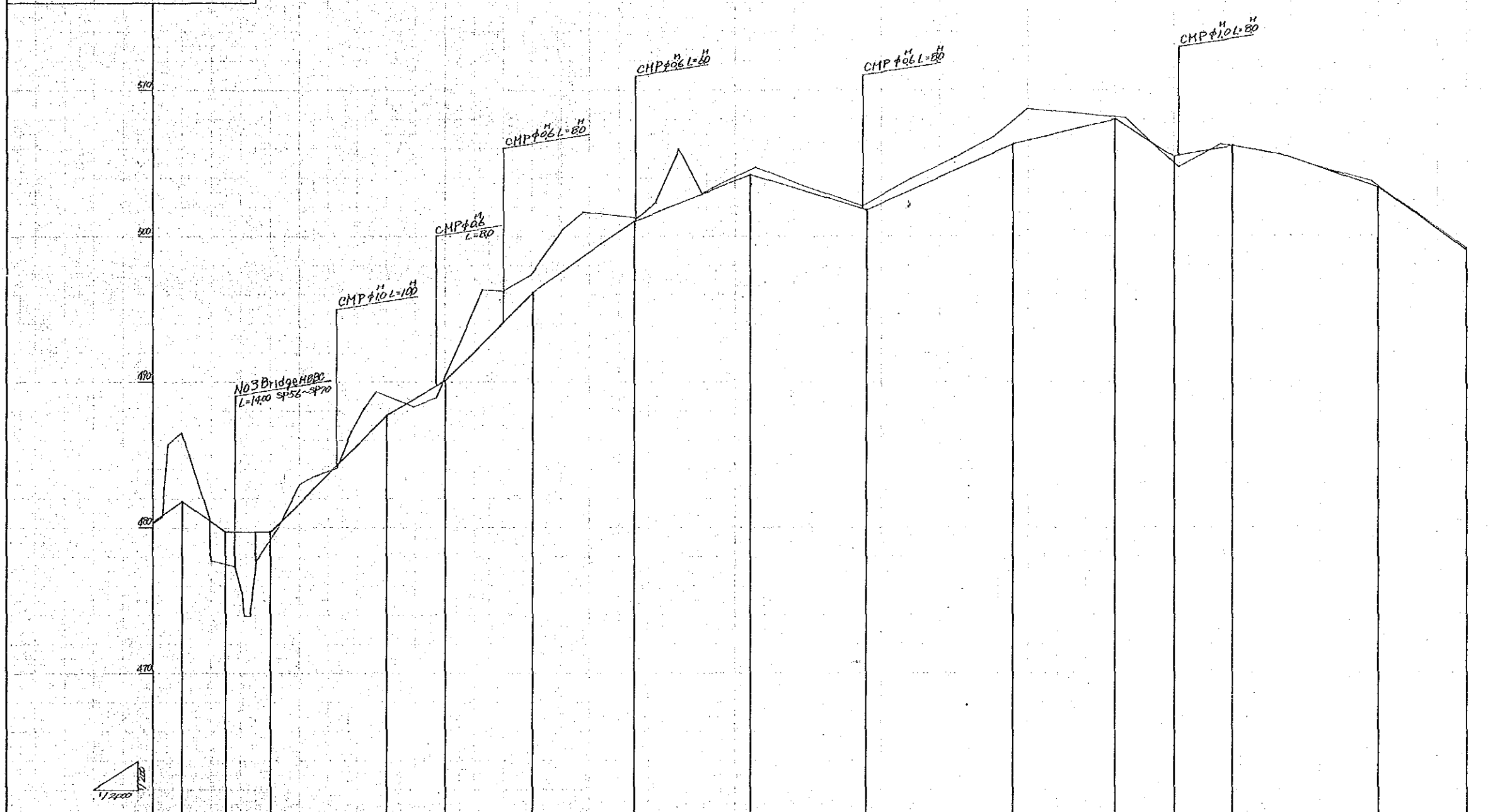
N03~N04 橋梁平面圖  
PLAN



曲線表 Curve Table

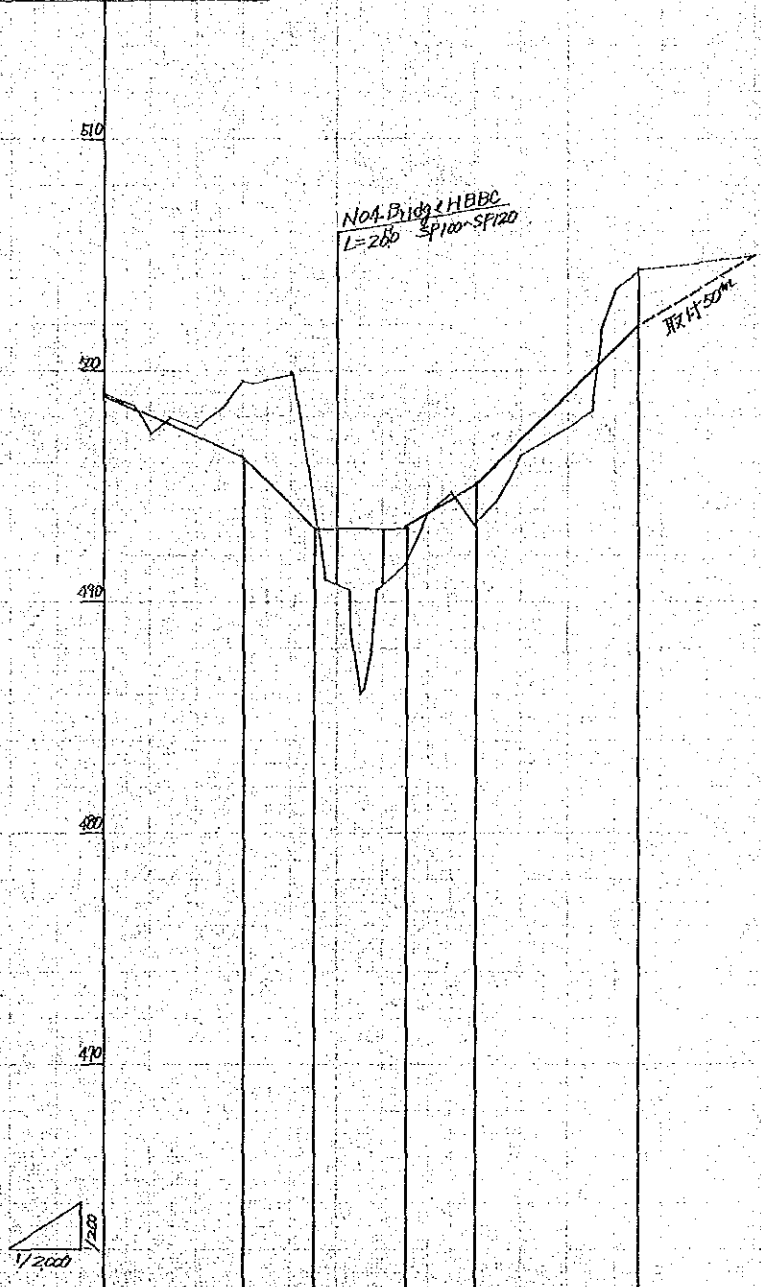
IPNo	I A	Dt	R	T.L	S.L	C.L	B.C	M.C	E.C	Memo
15	20.30	L	50	9.04	0.81	17.87	658.07	667.02	675.96	
16	57.00	L	35	19.00	4.83	34.82	685.96	703.37	720.78	
17	33.00	R	40	11.85	1.72	23.04	720.78	732.30	743.82	
18	51.00	R	35	16.67	3.78	31.15	756.82	772.40	787.97	
19	58.00	L	35	19.40	5.02	35.43	793.97	811.69	829.40	
20	18.00	R	35	5.54	0.44	11.00	829.40	834.90	840.40	
21	18.30	R	80	13.03	1.05	25.83	840.40	847.22	853.90	新110
22	78.00	R	25	20.24	7.17	34.03	847.22	851.05	854.26	
23	32.00	L	60	17.20	2.42	33.51	844.6	841.22	837.97	
24	55.00	L	40	20.82	5.10	38.40	130.48	147.48	168.88	
25	35.00	L	50	15.16	2.43	30.54	198.55	213.82	227.07	EP=230=1130.00

No3~4 橋梁 縦断面  
Drawing Profile



SP	G	H	F	H	C	H	B	H	G
490	480.26	480.26	480.26	0	0	0	0	0	480.26
491	480.55	480.55	480.55	0.10	0.10	0.10	0.10	0.10	480.55
492	480.75	480.75	480.75	0.20	0.20	0.20	0.20	0.20	480.75
493	480.84	480.84	480.84	0.30	0.30	0.30	0.30	0.30	480.84
494	477.88	480.640	480.640	0.272	0.272	0.272	0.272	0.272	480.640
495	477.31	479.70	479.70	0.399	0.399	0.399	0.399	0.399	479.70
496	475.57	479.70	479.70	0.415	0.415	0.415	0.415	0.415	479.70
497	471.61	479.70	479.70	0.409	0.409	0.409	0.409	0.409	479.70
498	471.83	480.20	480.20	0.357	0.357	0.357	0.357	0.357	480.20
499	482.86	481.70	481.70	1.16	1.16	1.16	1.16	1.16	481.70
500	482.31	482.30	482.30	1.01	1.01	1.01	1.01	1.01	482.30
501	482.67	483.30	483.30	0.57	0.57	0.57	0.57	0.57	483.30
502	480.04	483.30	483.30	0.26	0.26	0.26	0.26	0.26	483.30
503	484.52	485.30	485.30	1.22	1.22	1.22	1.22	1.22	485.30
504	488.16	486.10	486.10	2.08	2.08	2.08	2.08	2.08	486.10
505	487.33	487.00	487.00	2.33	2.33	2.33	2.33	2.33	487.00
506	488.28	488.78	488.78	0.50	0.50	0.50	0.50	0.50	488.78
507	488.88	489.74	489.74	0.86	0.86	0.86	0.86	0.86	489.74
508	488.24	492.60	492.60	3.64	3.64	3.64	3.64	3.64	492.60
509	494.20	494.10	494.10	2.10	2.10	2.10	2.10	2.10	494.10
510	497.36	496.00	496.00	1.36	1.36	1.36	1.36	1.36	496.00
511	502.53	497.57	497.57	2.96	2.96	2.96	2.96	2.96	497.57
512	501.59	498.55	498.55	3.14	3.14	3.14	3.14	3.14	498.55
513	501.24	501.04	501.04	0.20	0.20	0.20	0.20	0.20	501.04
514	502.26	501.60	501.60	0.76	0.76	0.76	0.76	0.76	501.60
515	505.77	502.24	502.24	3.73	3.73	3.73	3.73	3.73	502.24
516	502.67	502.88	502.88	0.21	0.21	0.21	0.21	0.21	502.88
517	504.78	504.88	504.88	0.70	0.70	0.70	0.70	0.70	504.88
518	503.38	503.06	503.06	0.32	0.32	0.32	0.32	0.32	503.06
519	502.06	501.80	501.80	0.20	0.20	0.20	0.20	0.20	501.80
520	503.92	503.15	503.15	0.77	0.77	0.77	0.77	0.77	503.15
521	505.54	504.50	504.50	0.96	0.96	0.96	0.96	0.96	504.50
522	506.90	505.76	505.76	1.14	1.14	1.14	1.14	1.14	505.76
523	508.67	506.49	506.49	2.18	2.18	2.18	2.18	2.18	506.49
524	508.40	507.26	507.26	1.14	1.14	1.14	1.14	1.14	507.26
525	508.10	507.53	507.53	0.57	0.57	0.57	0.57	0.57	507.53
526	504.71	505.48	505.48	0.77	0.77	0.77	0.77	0.77	505.48
527	504.35	506.06	506.06	0.29	0.29	0.29	0.29	0.29	506.06
528	505.62	505.32	505.32	0.30	0.30	0.30	0.30	0.30	505.32
529	504.14	504.20	504.20	0.06	0.06	0.06	0.06	0.06	504.20
530	503.71	503.56	503.56	0.15	0.15	0.15	0.15	0.15	503.56
531	501.91	501.91	501.91	0	0	0	0	0	501.91
532	499.04	498.90	498.90	0.14	0.14	0.14	0.14	0.14	498.90

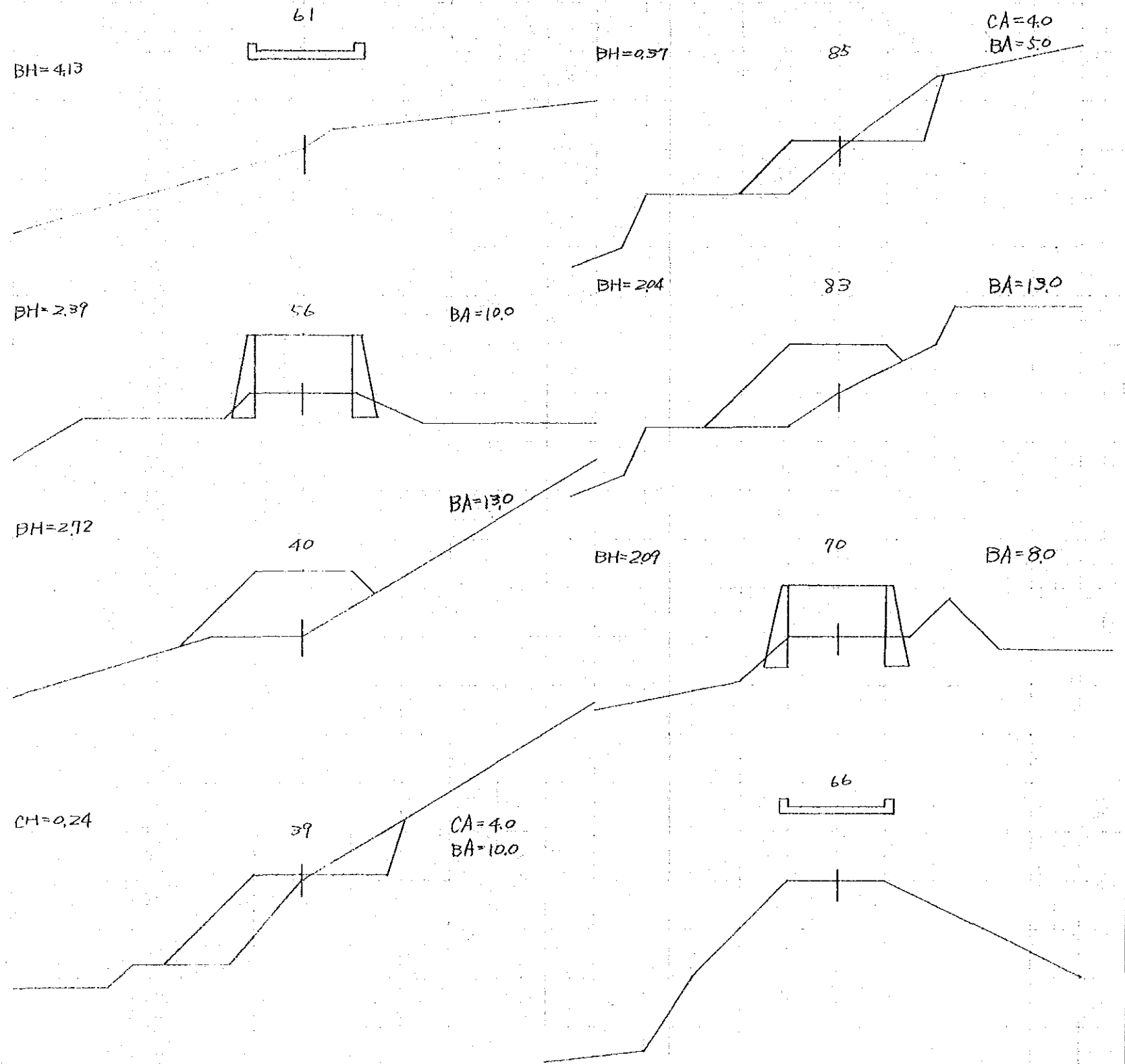
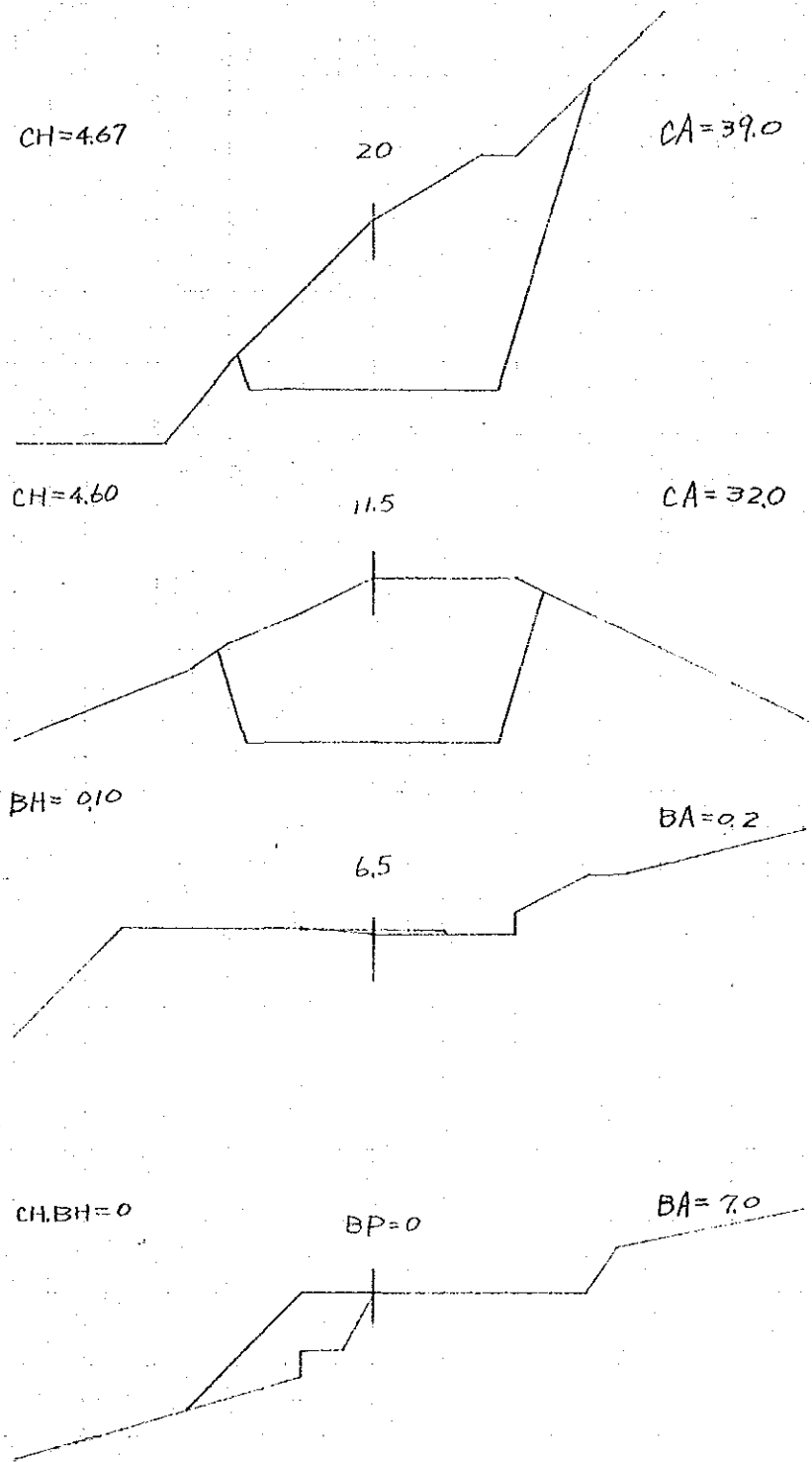
N03~4橋梁 縦断面  
Drawing Profile



SP	G	H	F	H	C	H	B	G
49870	49870	49870	49870	49870	49870	49870	49870	49870
13	49851	49851	49851	49851	49851	49851	49851	49851
20	49725	49725	49725	49725	49725	49725	49725	49725
28	49778	49778	49778	49778	49778	49778	49778	49778
51	49841	49841	49841	49841	49841	49841	49841	49841
60	49866	49866	49866	49866	49866	49866	49866	49866
62	49866	49866	49866	49866	49866	49866	49866	49866
81	49888	49888	49888	49888	49888	49888	49888	49888
95	49101	49101	49101	49101	49101	49101	49101	49101
105	49833	49833	49833	49833	49833	49833	49833	49833
117	49893	49893	49893	49893	49893	49893	49893	49893
130	49160	49160	49160	49160	49160	49160	49160	49160
140	49884	49884	49884	49884	49884	49884	49884	49884
150	49858	49858	49858	49858	49858	49858	49858	49858
160	49825	49825	49825	49825	49825	49825	49825	49825
169	49831	49831	49831	49831	49831	49831	49831	49831
180	49826	49826	49826	49826	49826	49826	49826	49826
200	49749	49749	49749	49749	49749	49749	49749	49749
209	49823	49823	49823	49823	49823	49823	49823	49823
210	50175	50175	50175	50175	50175	50175	50175	50175
220	50546	50546	50546	50546	50546	50546	50546	50546
230	50435	50435	50435	50435	50435	50435	50435	50435

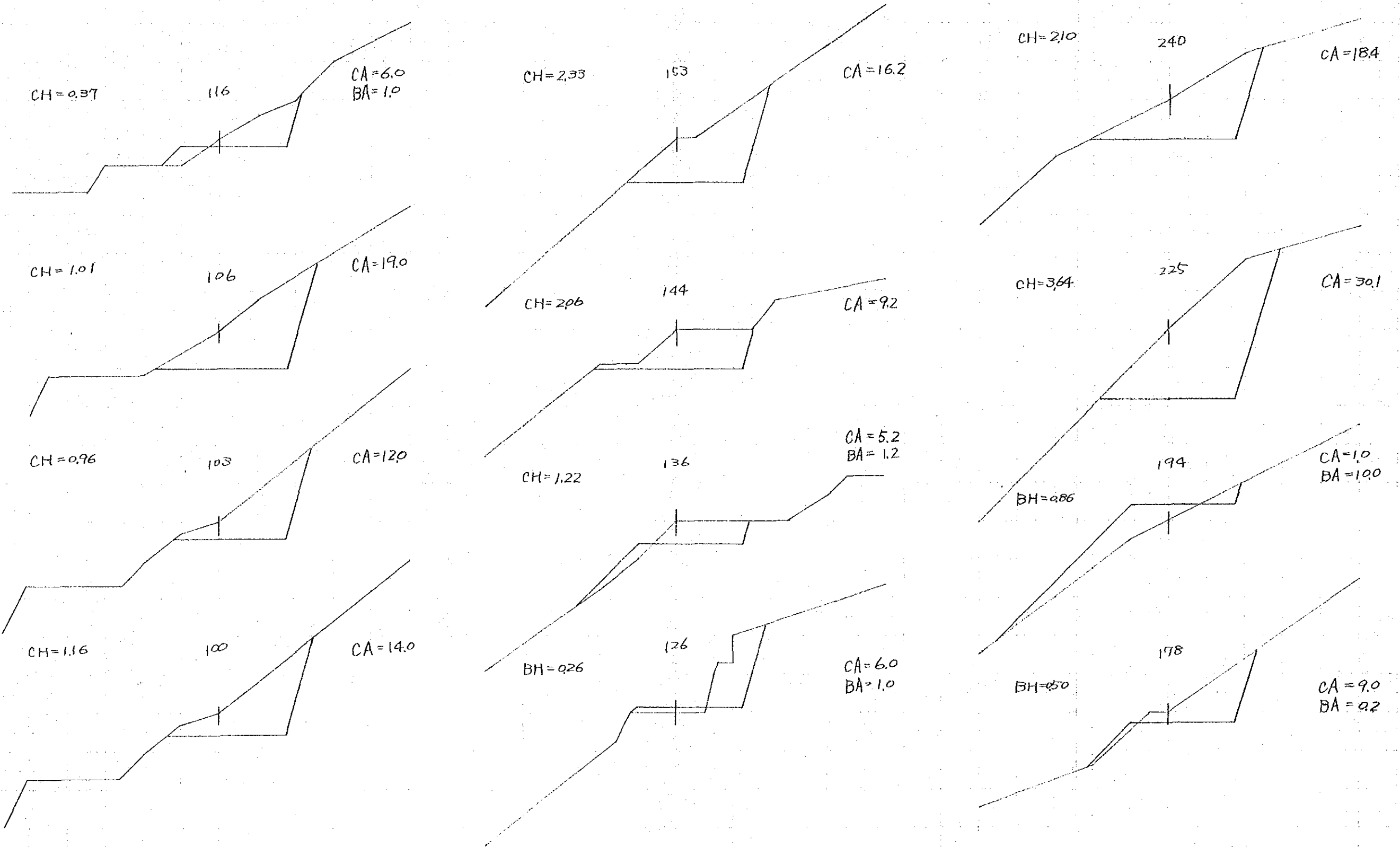
No3~No4 橋梁 横断面  $s=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth



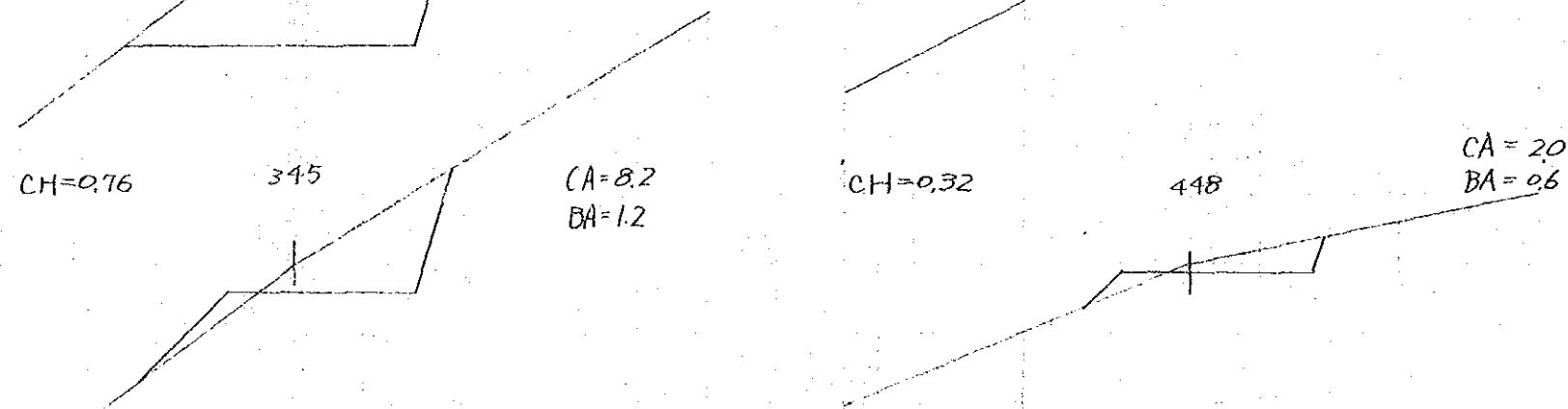
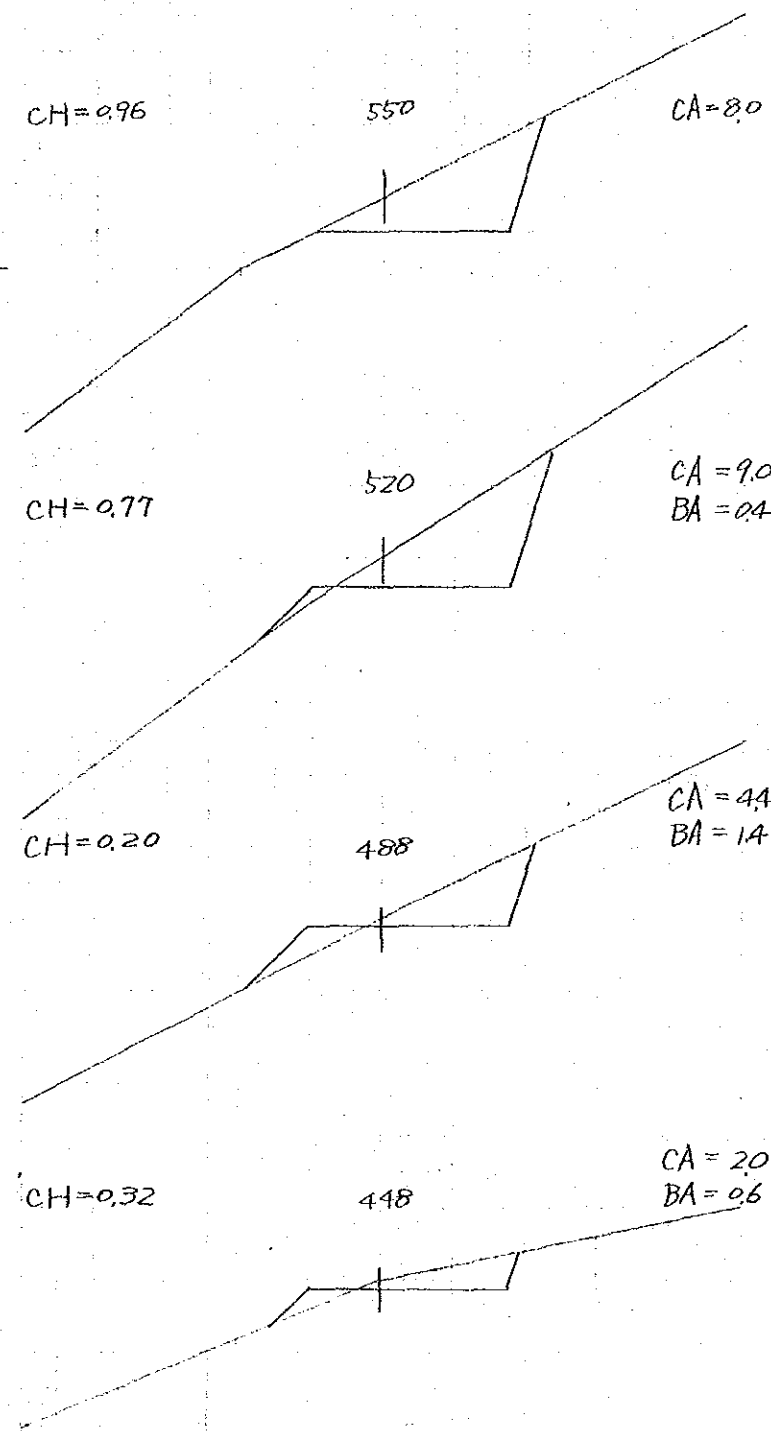
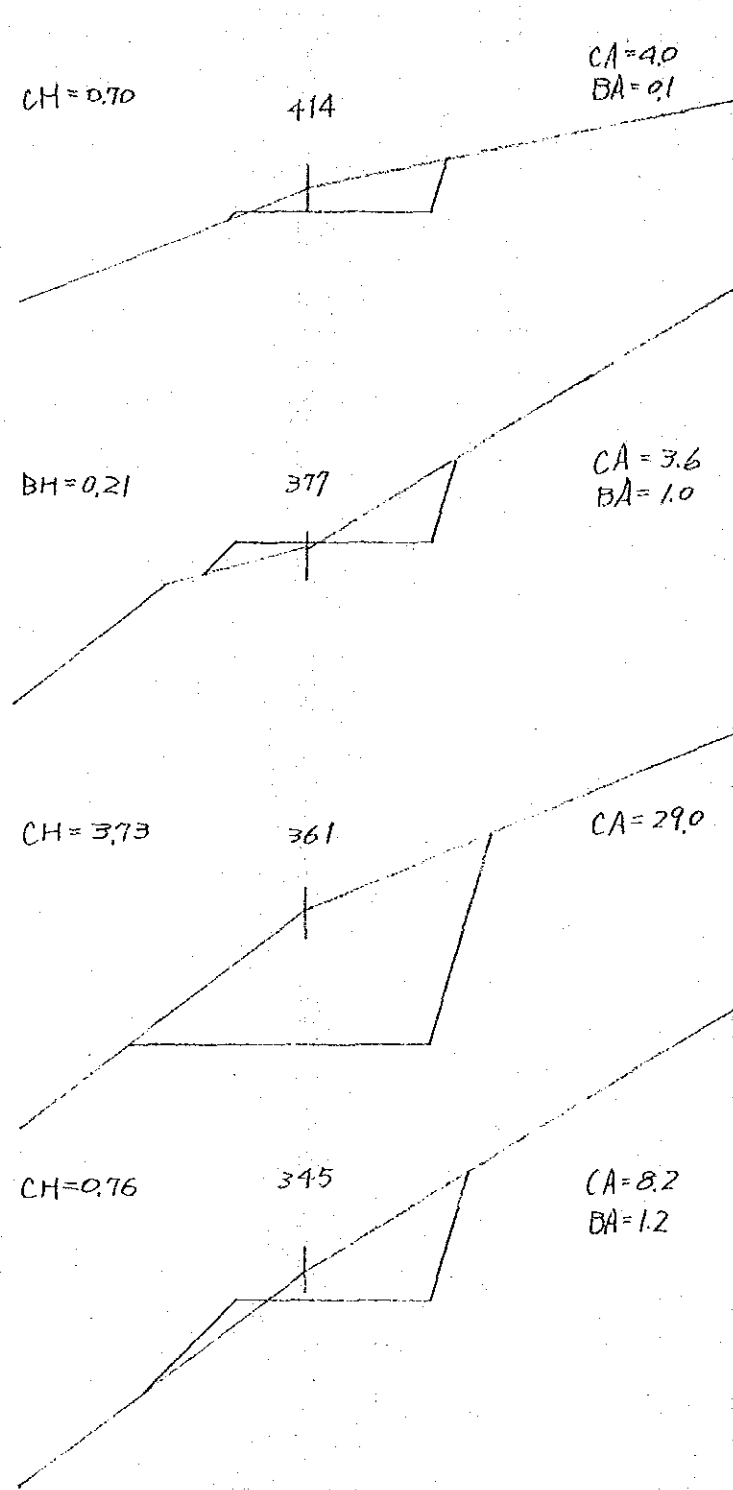
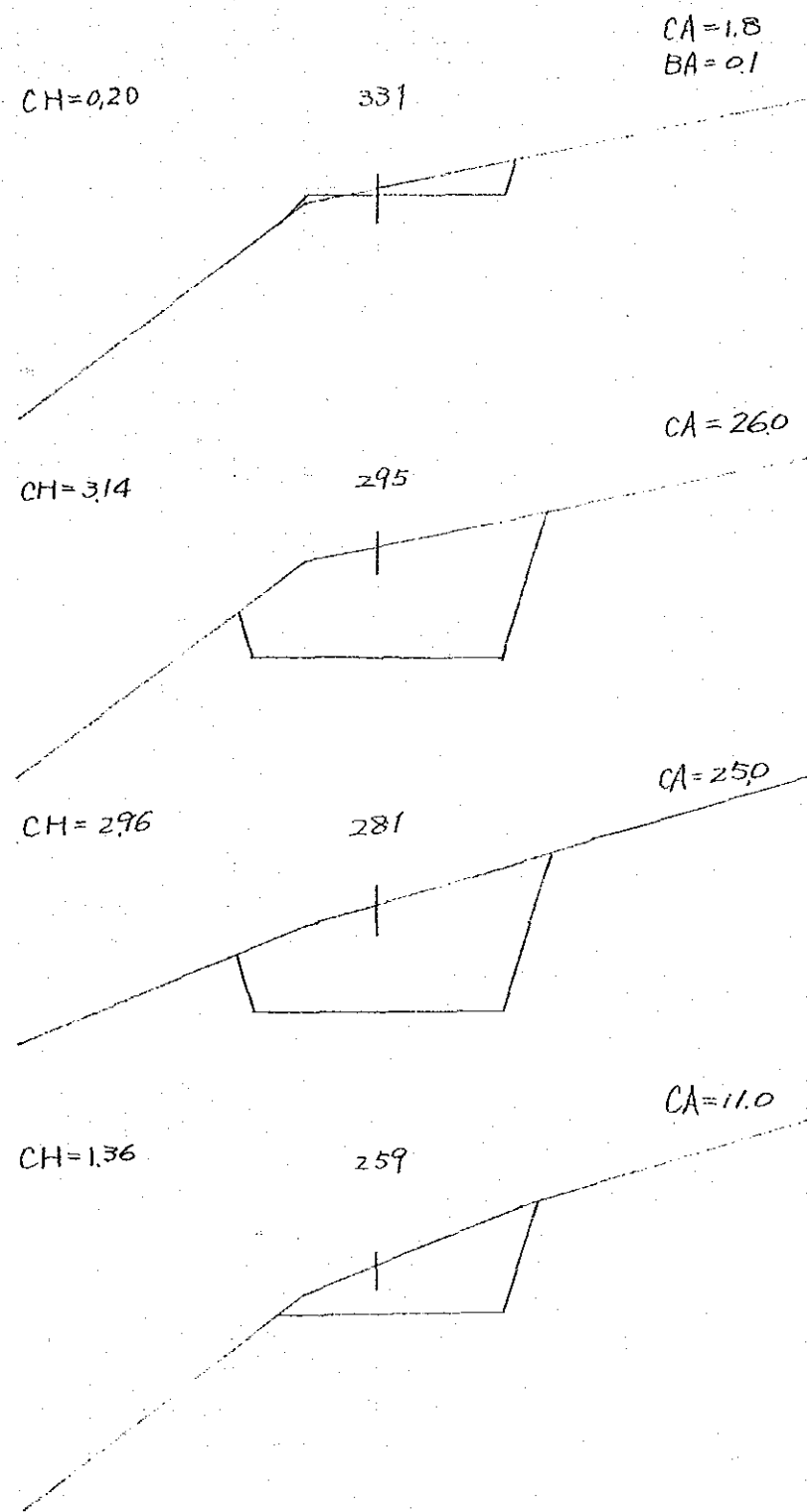
No3~No4 橋梁 横断図  $s=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth



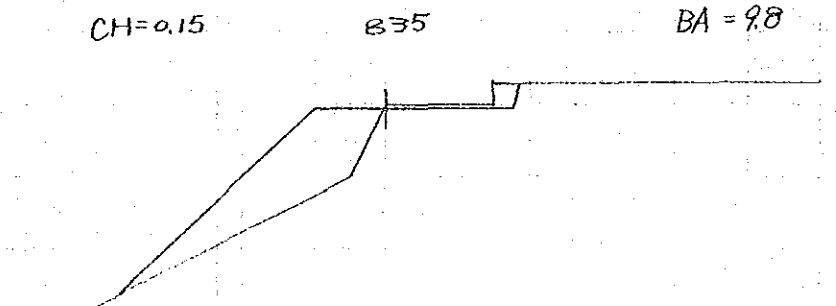
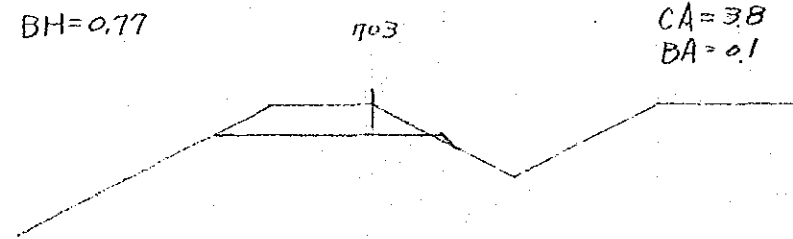
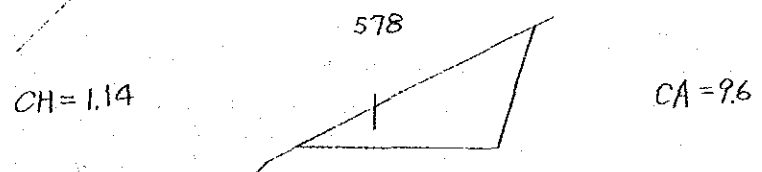
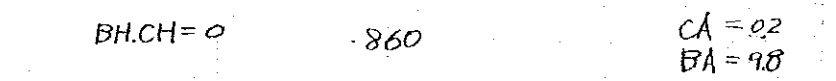
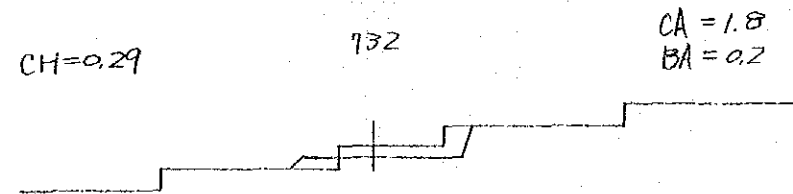
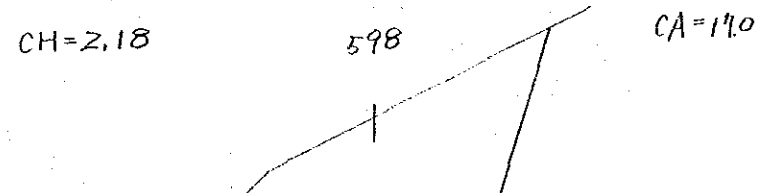
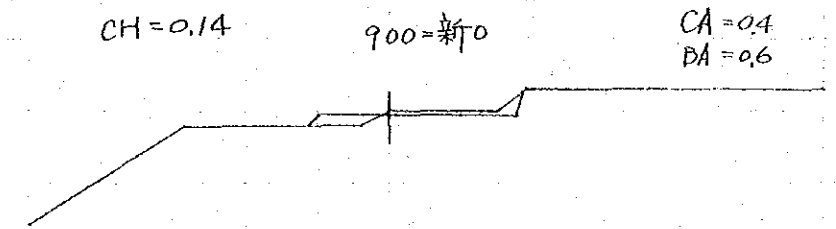
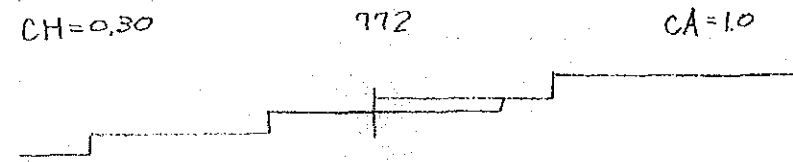
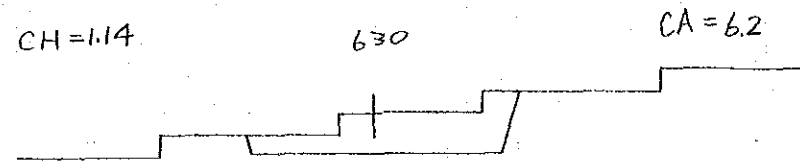
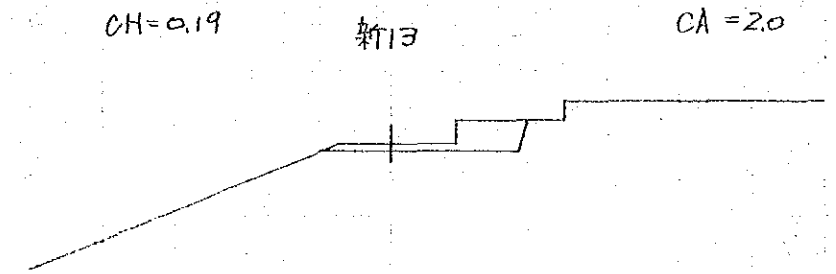
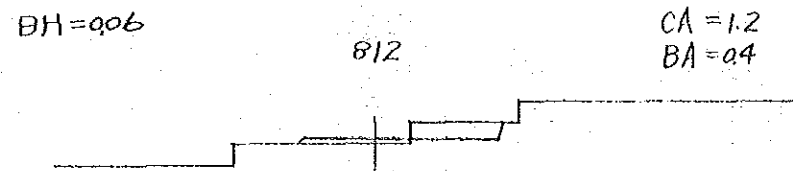
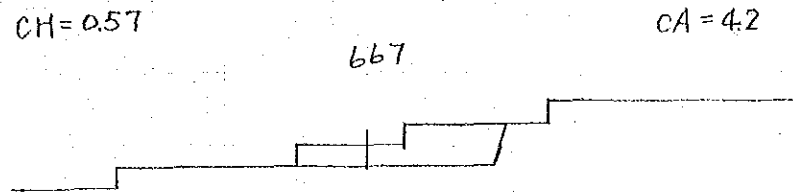
N03~N04 橋梁 横断图  $S=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth



No3~No4 橋梁 横断圖  $s=1/200$   
 Bridg Cross Section

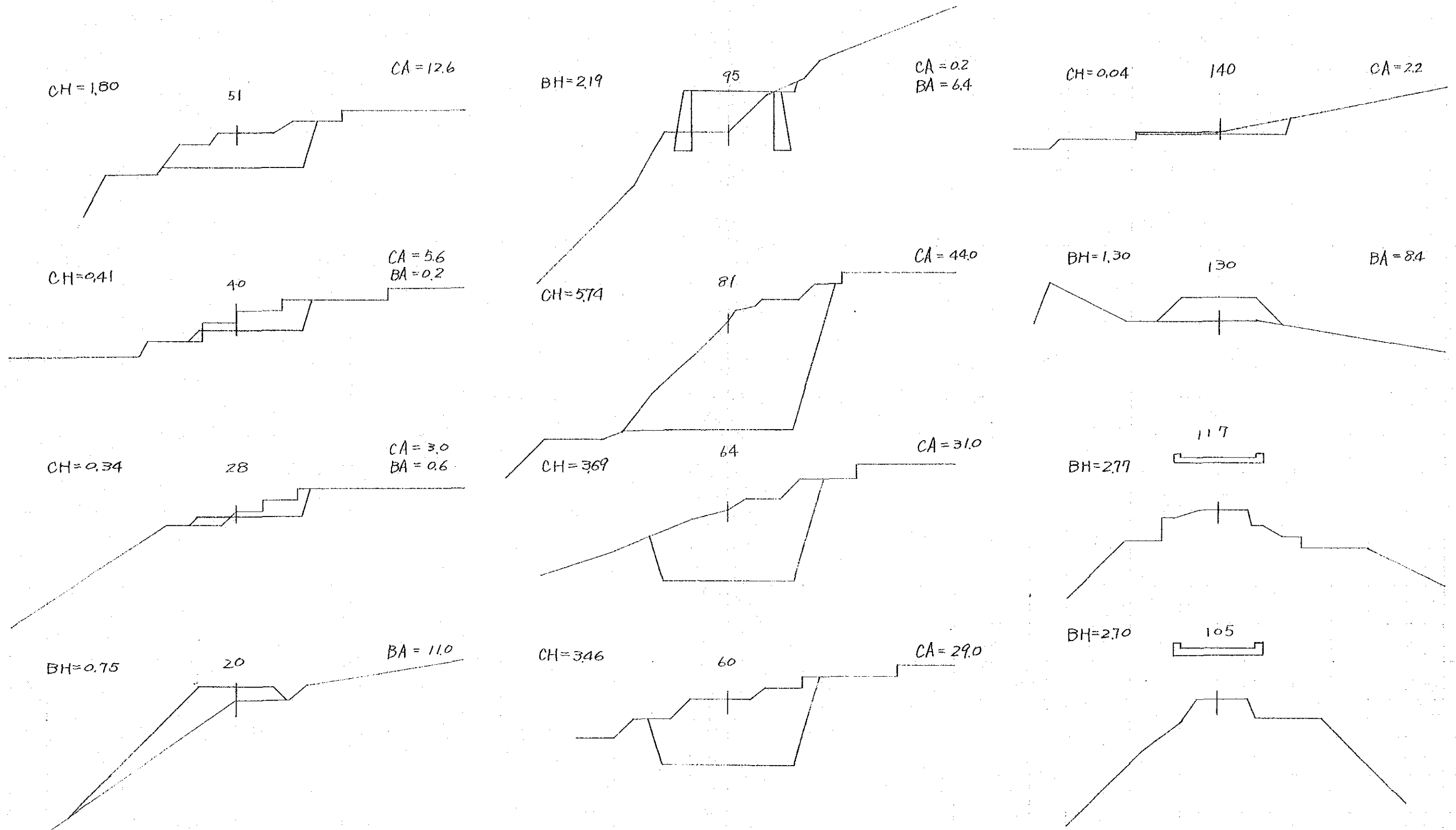
土質 = 土  
 Soil Nature = Earth





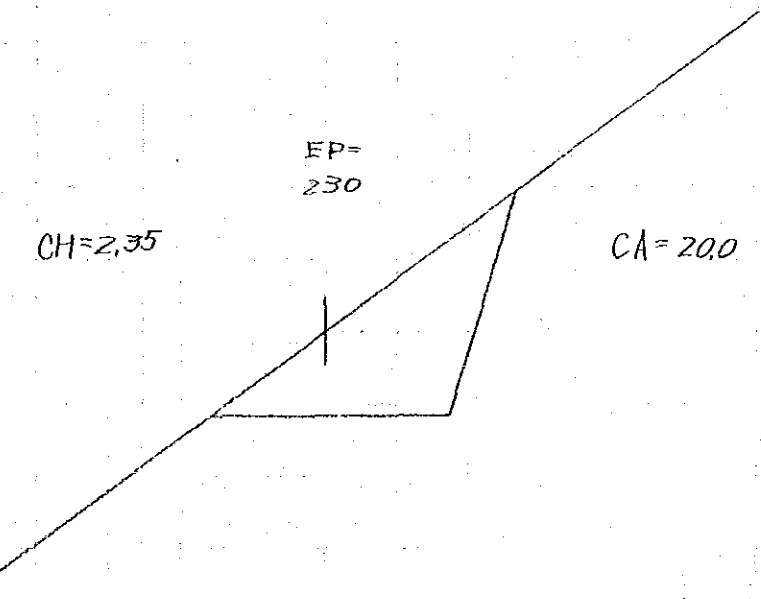
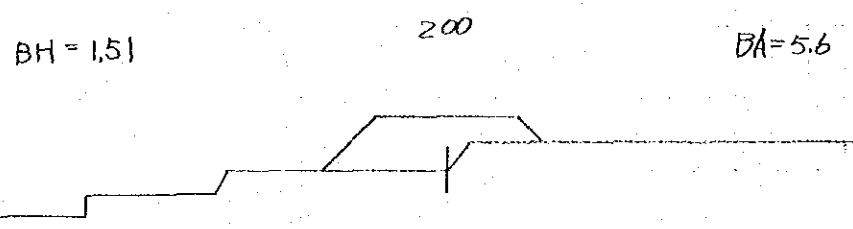
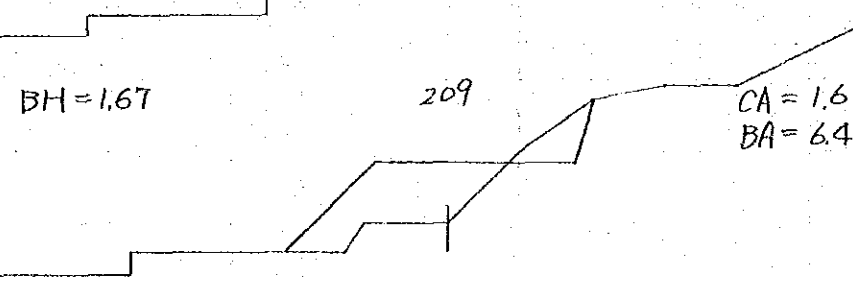
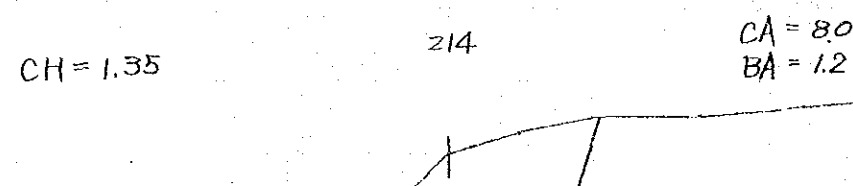
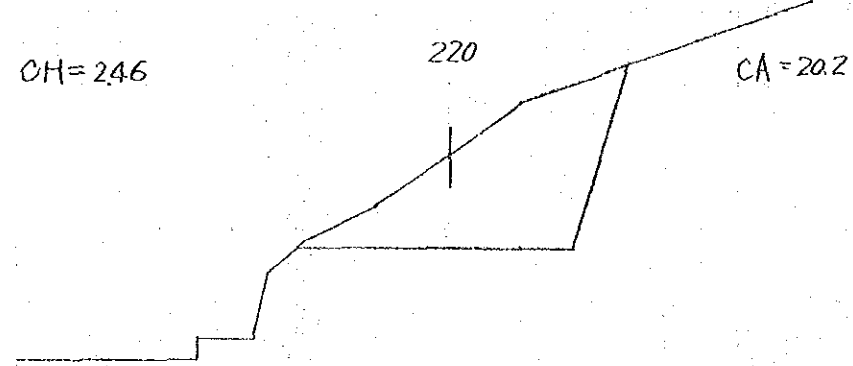
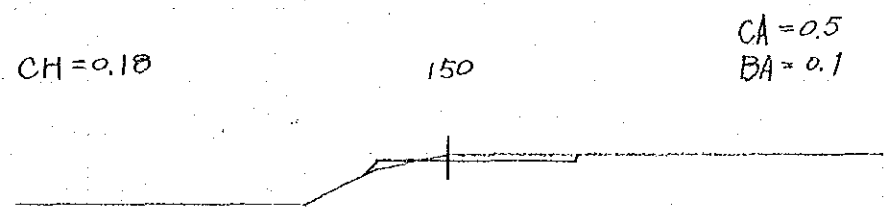
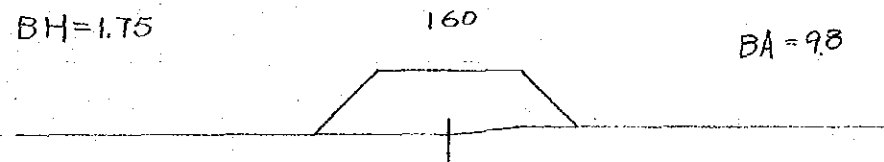
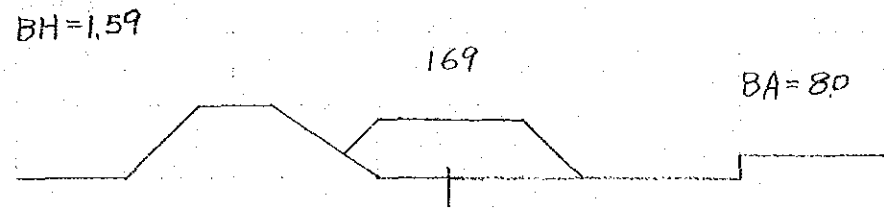
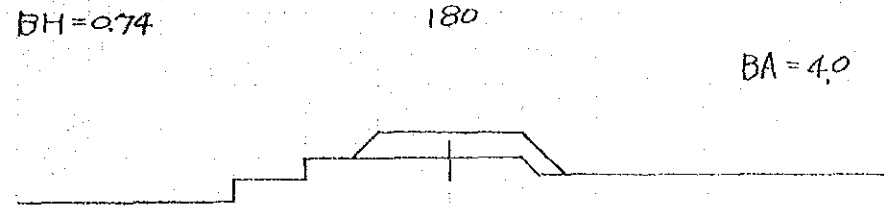
N03~N04 桥梁横断面图  $s=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth



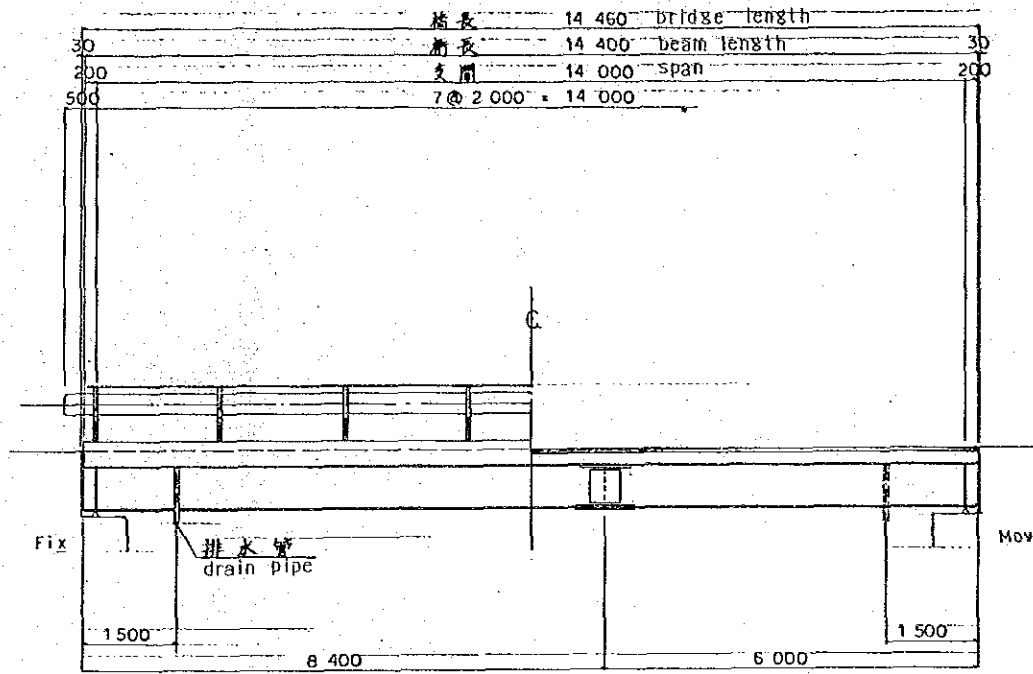
No3~No4 桥梁横断面图  $s=1/200$   
 Bridge Cross Section

土質 = 土  
 Soil Nature = Earth

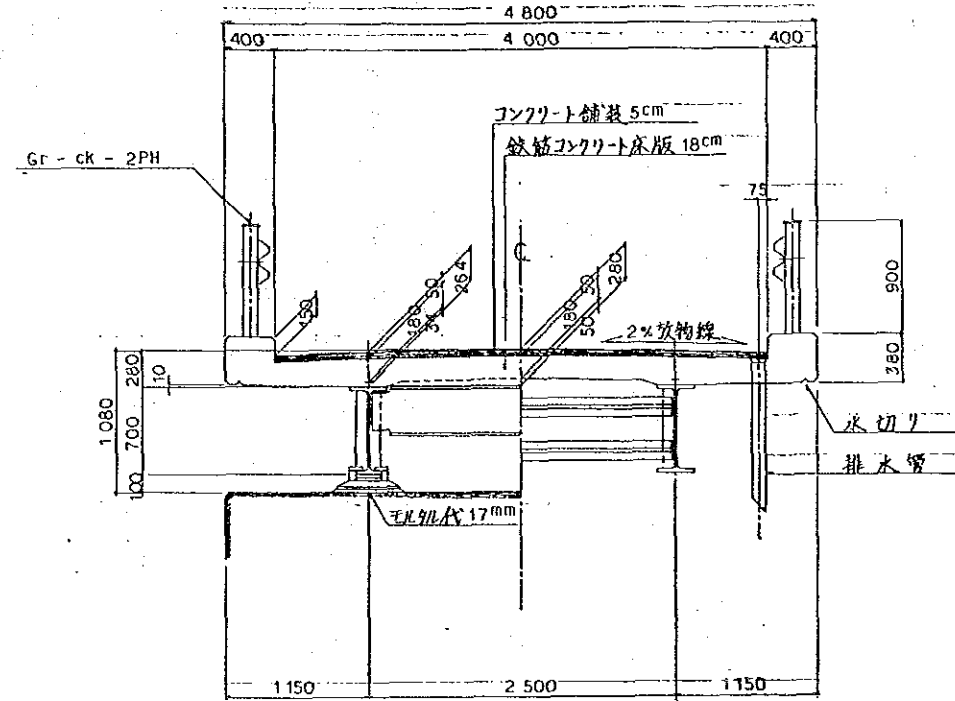


14-⑥

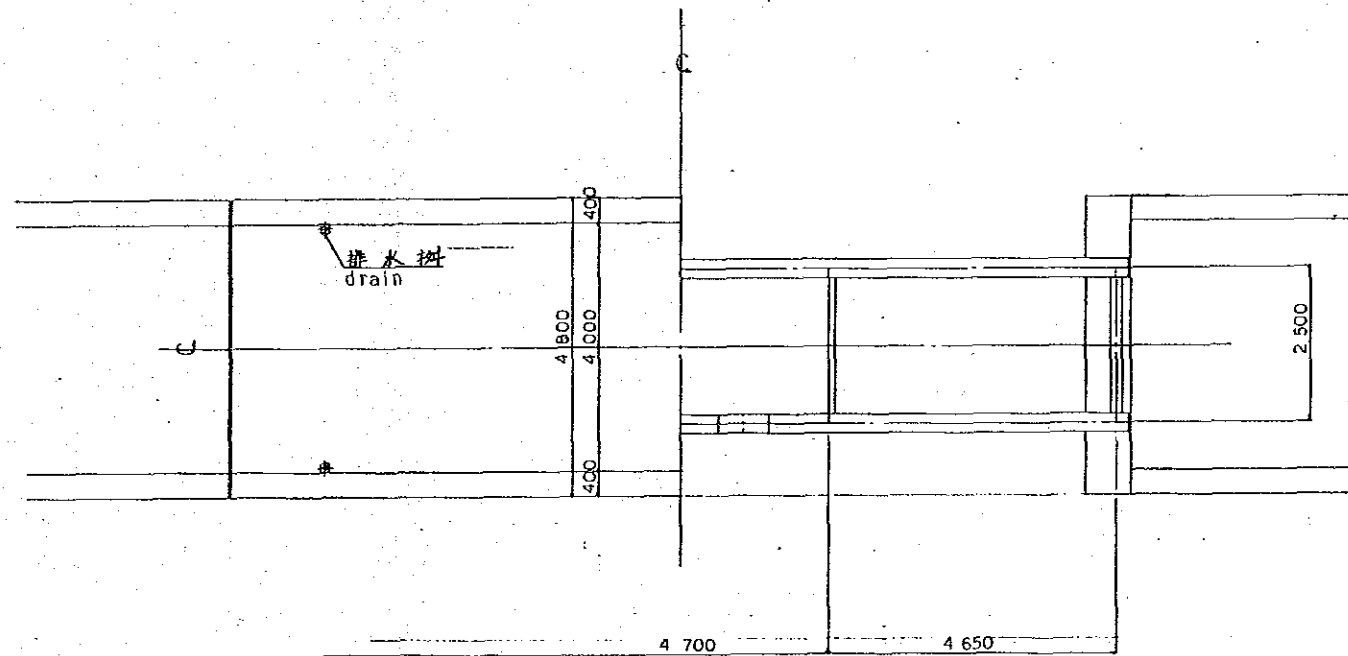
側面図 S=1/60  
Profile



断面図 S 1/30  
Section Drawing



平面図 S=1/60  
Plan



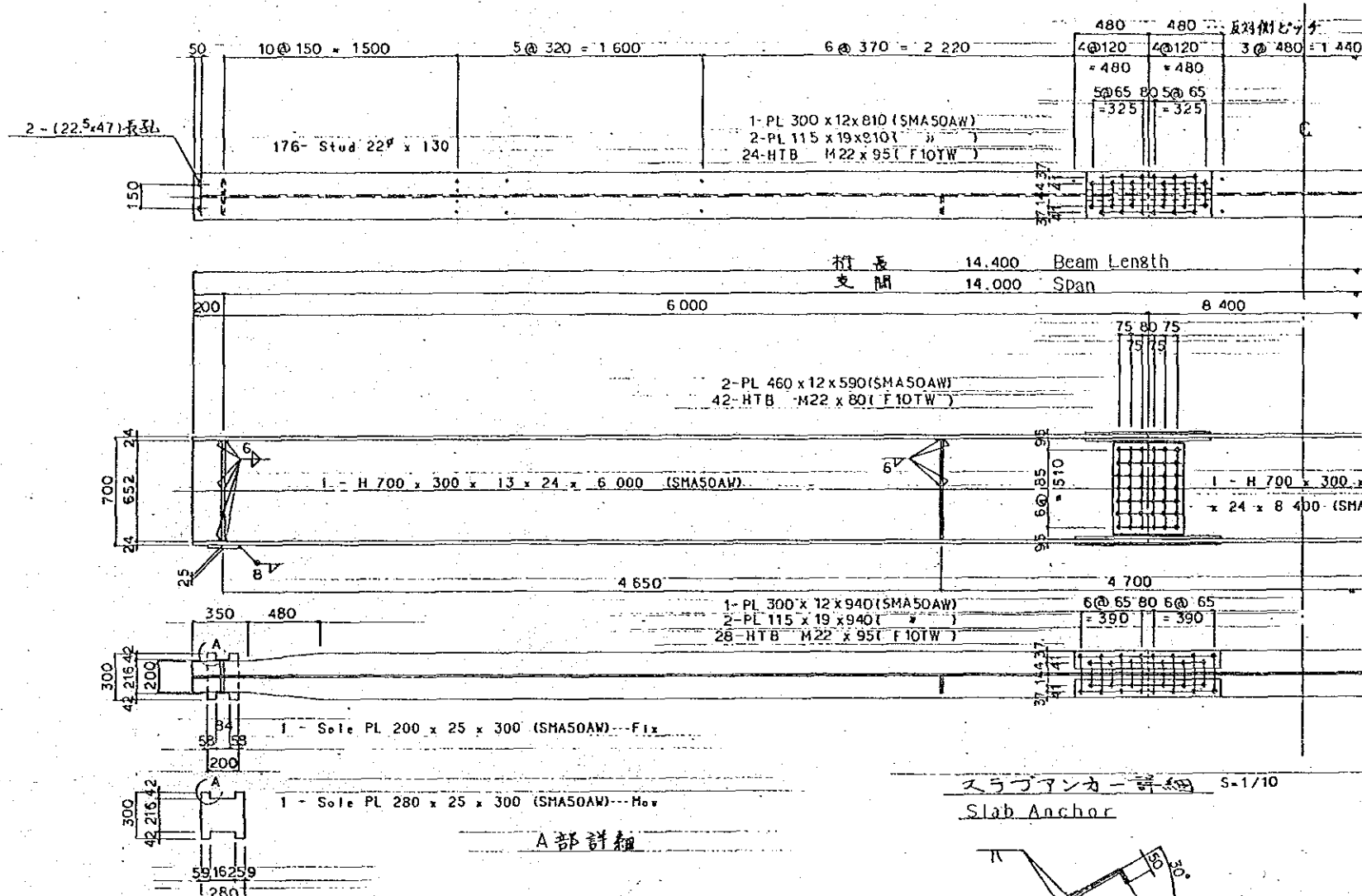
縮尺	1/30	1/60	1/40	製図	森
課長				掛長	森

設計番号	F-6500
図面番号	
製図月日	
出図月日	

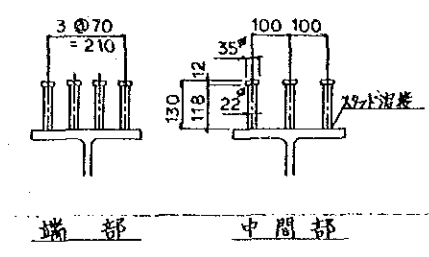
1/5

標準設計 (L=14,000)	
共通	
一般図	

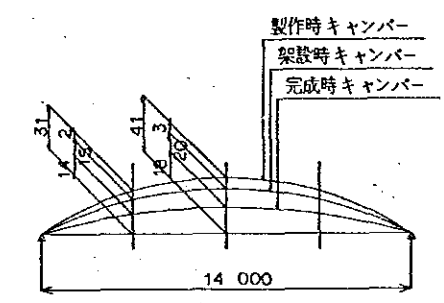
主桁 S=1/20  
Beam



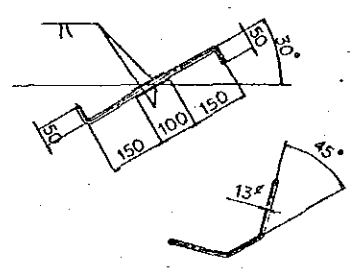
スタッドツベル詳細 S-1/10  
Dubel



キャンバー Camber

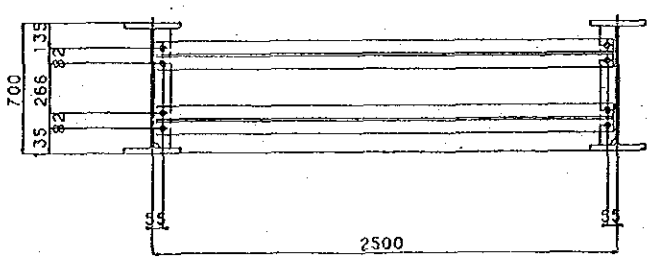


スラブアンカー詳細 S-1/10  
Slab Anchor

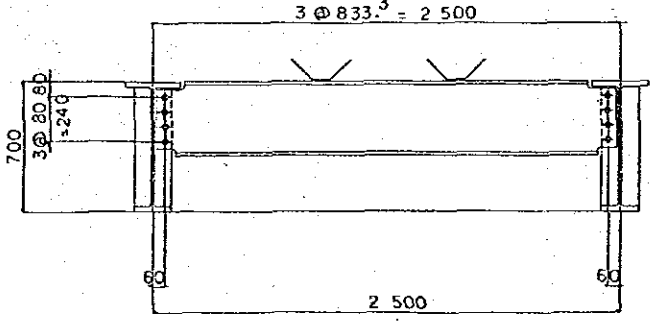


1-RB 13φ x 500 (SR24)  
現場にて曲げ上げの工事。

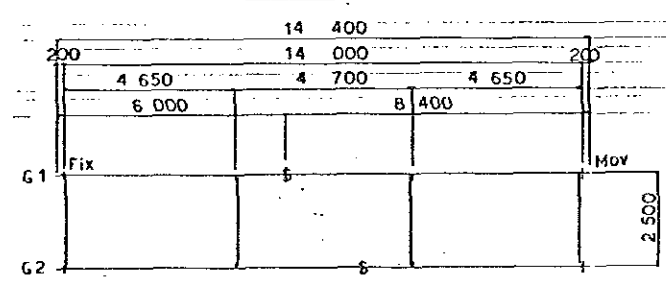
中間横桁 S-1/20  
Cross Beam



端横桁 S-1/20  
Cross Beam



配置図  
arrangement



注記1 特記なき材質は全てSS41とする。

- 1 - H 400 x 200 x 8 x 13 x 2,460 (SMA50AW)
- 4 - PL 95 x 12 x 652 (SMA50AW)
- 2 - RB 13φ x 500 (SR24)
- 8 - HTB M22 x 60 ( F10TW )

- 2-CT 95x152x8x8x2460 (SMA41AW)
- 2-PI 90x9x652 (SMA41AW)
- 8- HTB M20x55 ( F10TW )

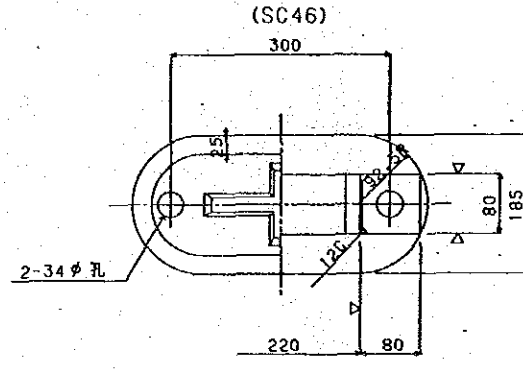
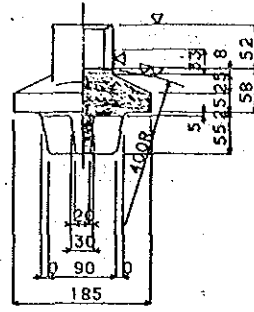
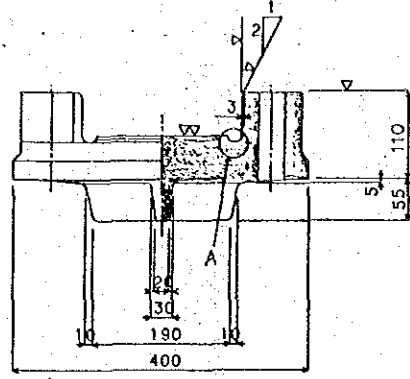
格	尺	1/20	1/10	1/5	1/2	1/1
課長	技師	担当	製	図	工	廠
					森	

設計番号	図面番号	製図月日	出図月日
F-6500			

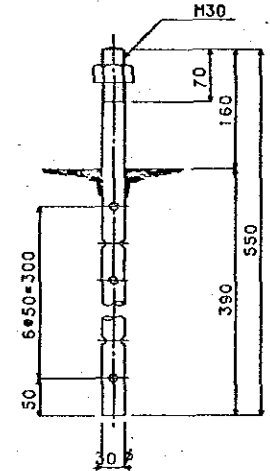
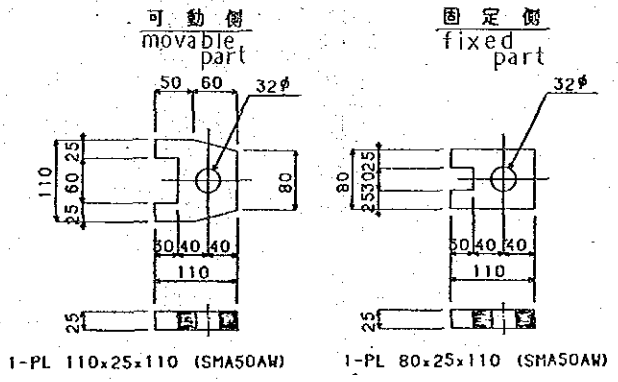
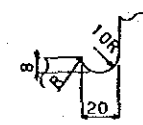
2/5

標準設計 (L=14,000)	共通	主桁、横桁、その他
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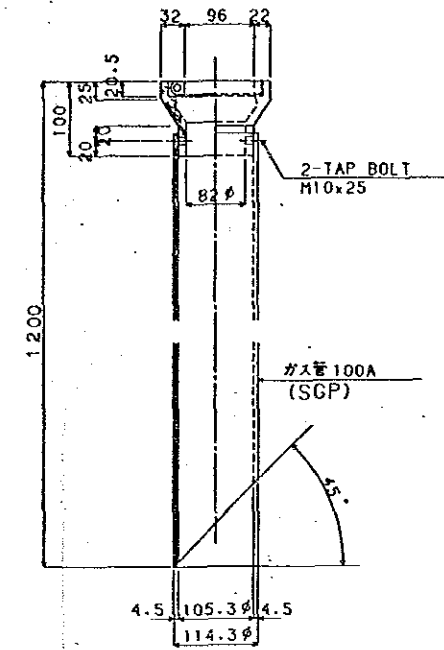
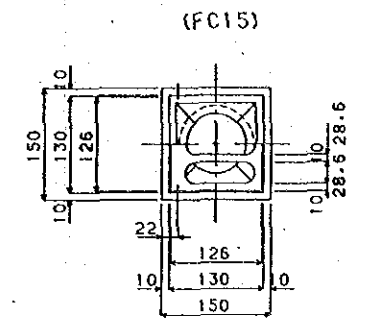
沓 S=1/5  
(TSS-35) Shoe



A部詳細 S=1/2  
detail



排水管 S=1/5  
(PK-2) Drain Pipe



注記1 特記なき材質は全てSS41とする。  
注記2 沓及び排水管のガス管はターレボキシ樹脂塗料を工場にて3回塗布とする。

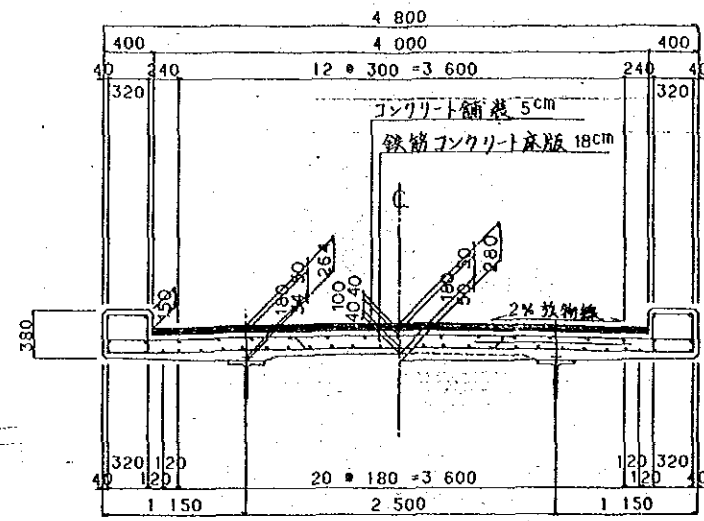
縮尺	1/5	製図	森
課長		掛長	森
設計		製図	森

設計番号	F-6500
図面番号	
製図月日	
出図日付	

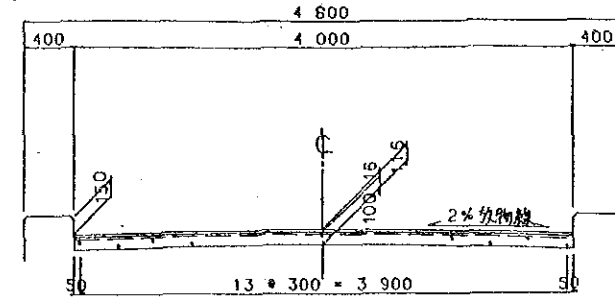
3/5

標準設計 (Q=14,000)	共通
沓, 排水管	

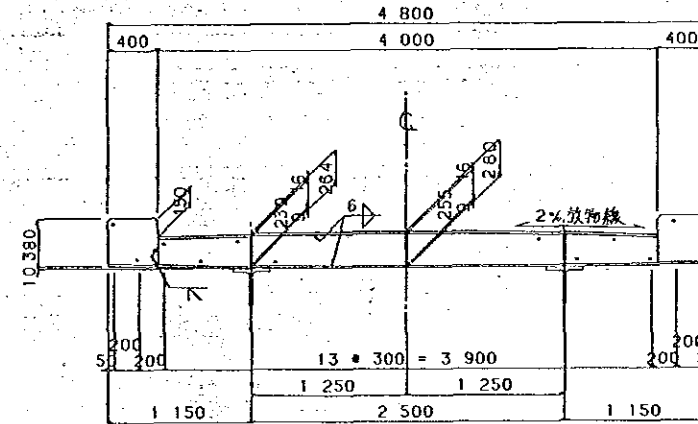
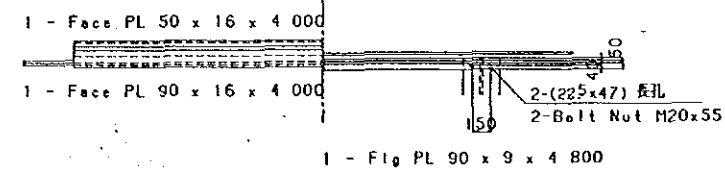
床版 S=1/30  
Floor Slab



伸縮継手 S=1/30  
(EA-I型) Expansion Joint

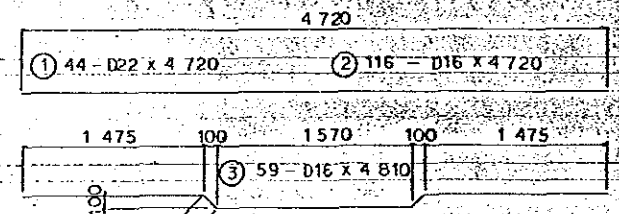
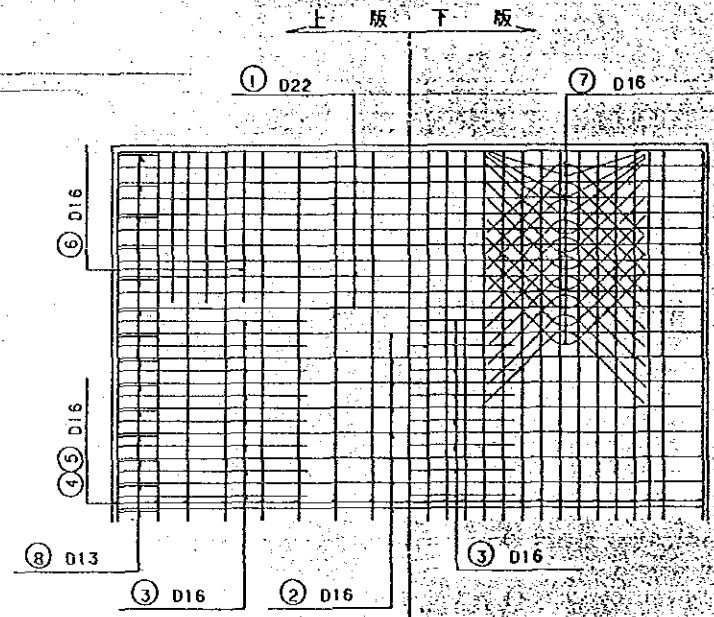
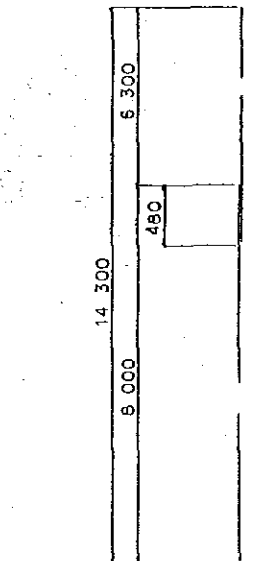
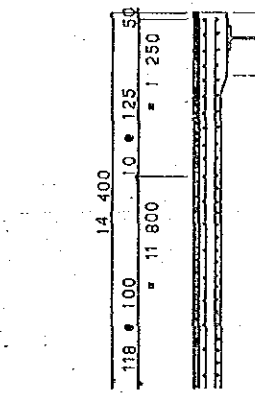
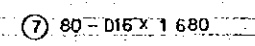
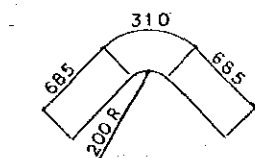
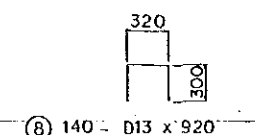
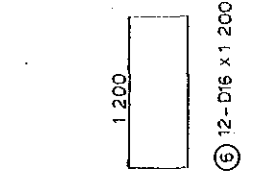
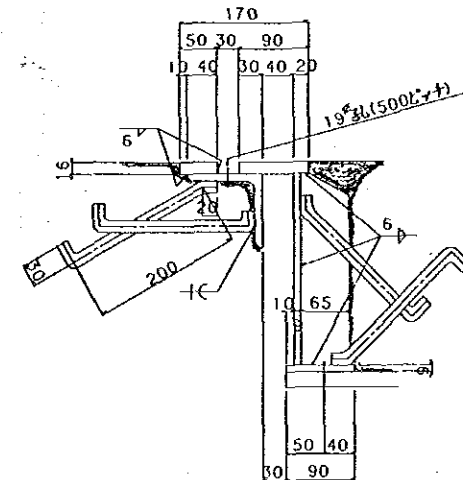


1 - L 100 x 100 x 10 x 4 000  
14 - RB 16<sup>#</sup> x 250 (SR24)



1 - Web PL 255 x 9 x 4 000  
2 - Web PL 375 x 9 x 400  
3 - Rib PL 65 x 9 x 255  
18 - RB 16<sup>#</sup> x 250 (SR24)

注) 1 特記なき材質は全てSS41とする。  
2 伸縮継手はタールエポキシ樹脂塗料を工場にて3回塗布とする。



鉄筋表 Deinfencing

記号	径	長さ	単位重量	weight per one bar	本数	重量	quality of material
①	D22	4 720	3.040	14.349	44	631	S030
②	D16	4 720	1.560	7.363	116	854	"
③	"	4 810	"	7.504	59	443	"
④	"	8 000	"	12.480	48	599	"
⑤	"	6 780	"	10.577	48	508	"
⑥	"	1 200	"	1.872	12	22	"
⑦	"	1 680	"	2.621	80	210	"
⑧	D13	920	0.995	0.915	140	128	"
						Σ	3 395 kg
D22			631	kg			
D16			2 636	kg			
D13			128	kg			

縮尺	1/50	製図	藤
課長	掛長	担当	森

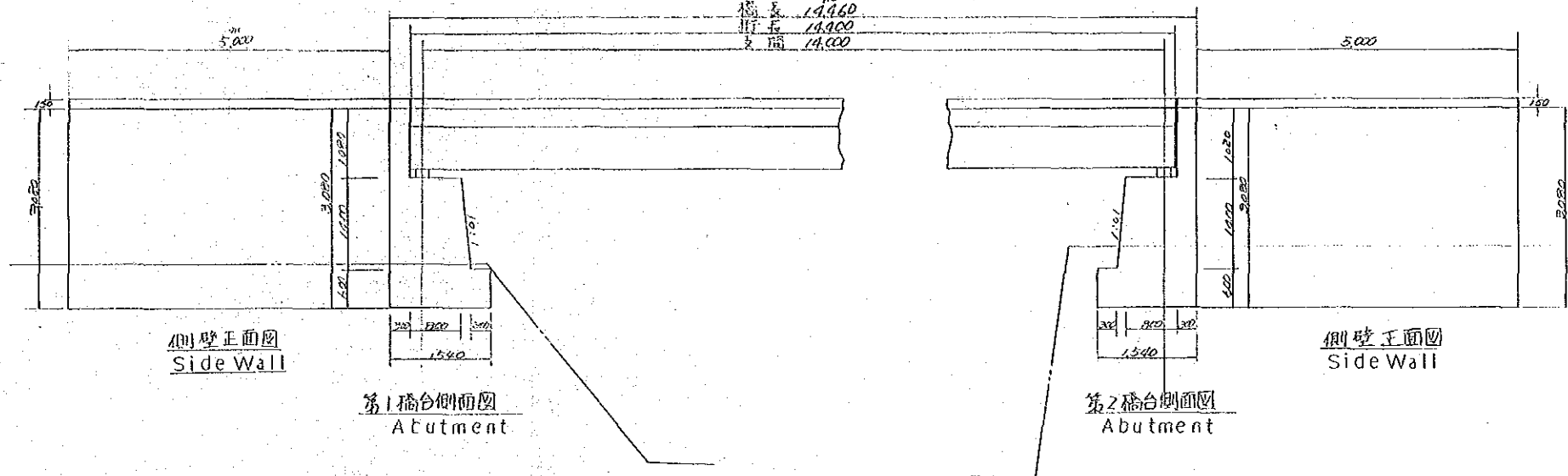
設計番号	F-6500
図面番号	
製図月日	
出図月日	

4/5

標準設計 (Q=14,000)	共通	床版伸縮継手
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側面圖

橋長 19.460  
折長 18.900  
支高 14.000



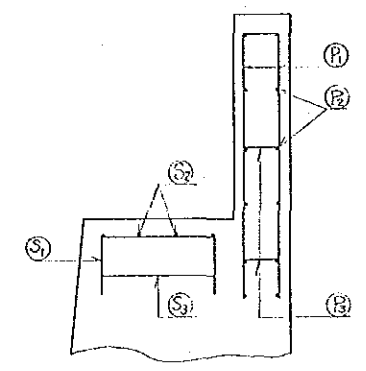
側壁正面圖  
Side Wall

第1橋台側面圖  
Abutment

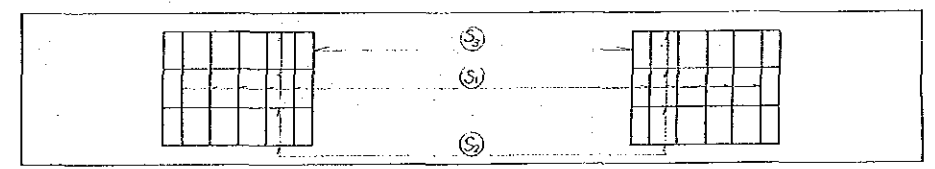
第2橋台側面圖  
Abutment

側壁正面圖  
Side Wall

橋座胸壁詳細圖 s=1/20  
Detail Drawing

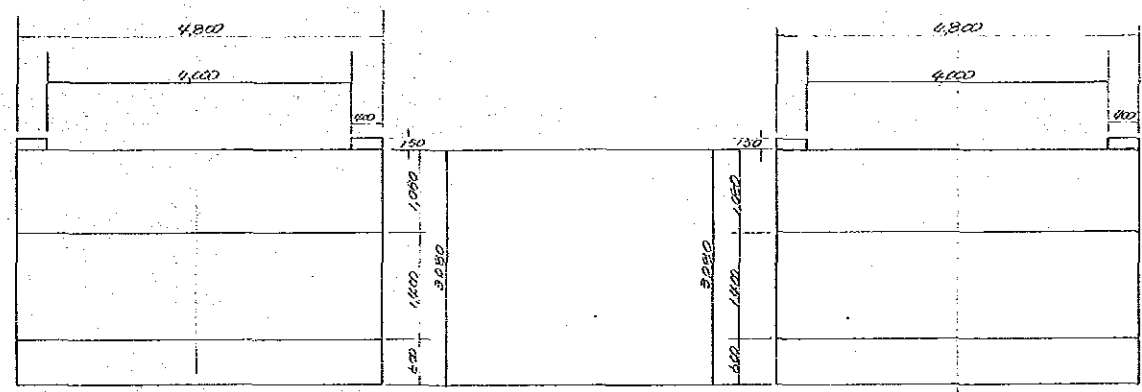


橋座  
Seat

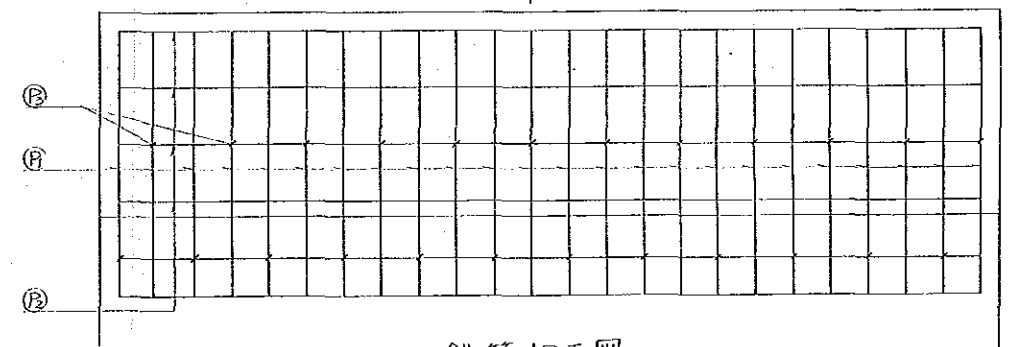


第1橋台正面圖  
Abutment

第2橋台正面圖  
Abutment

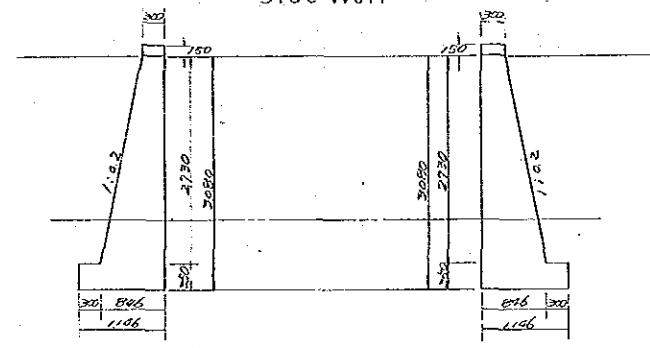
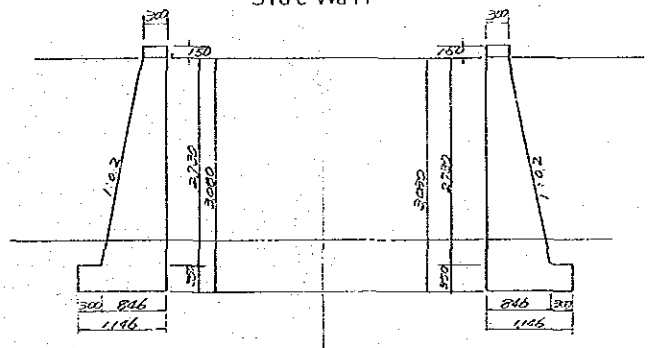


胸壁正面圖  
Parapet

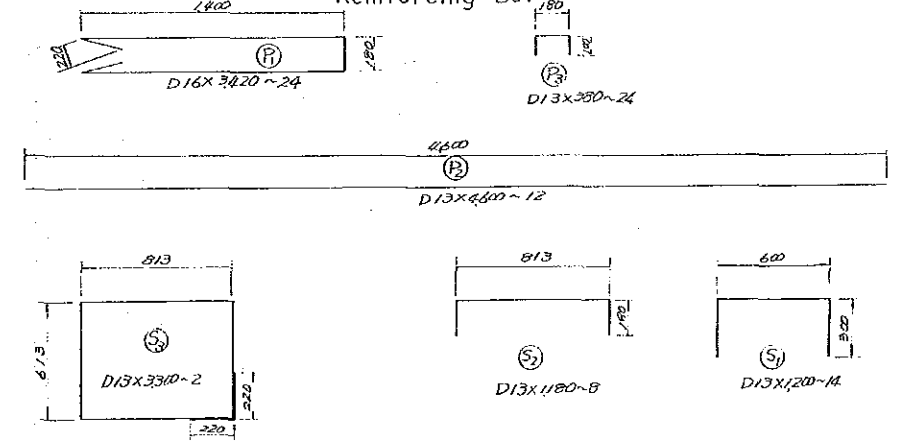


側壁側面圖  
Side Wall

側壁側面圖  
Side Wall



鐵筋加工圖  
Reinforcing Bar

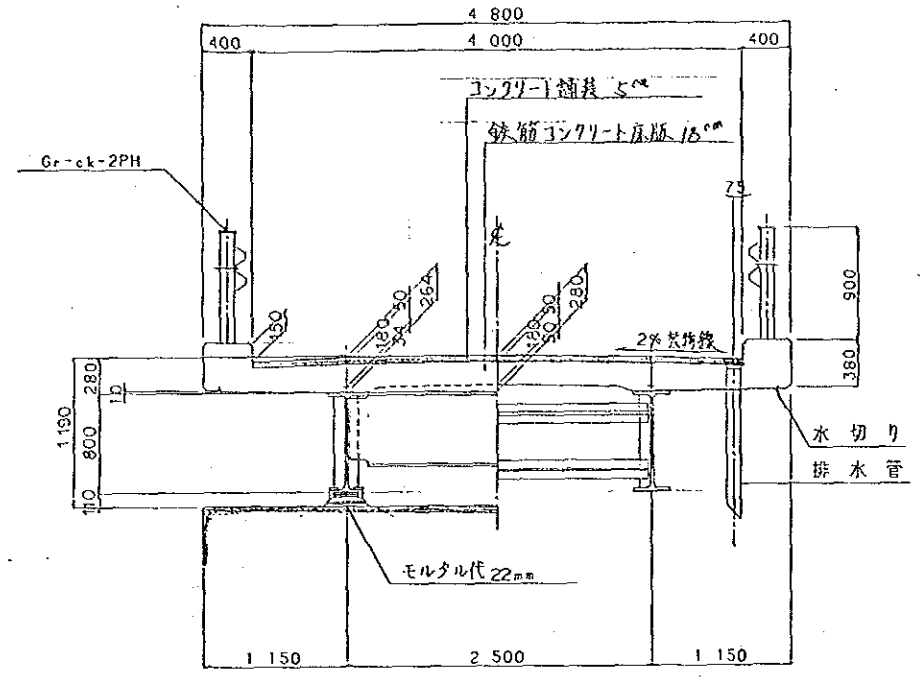
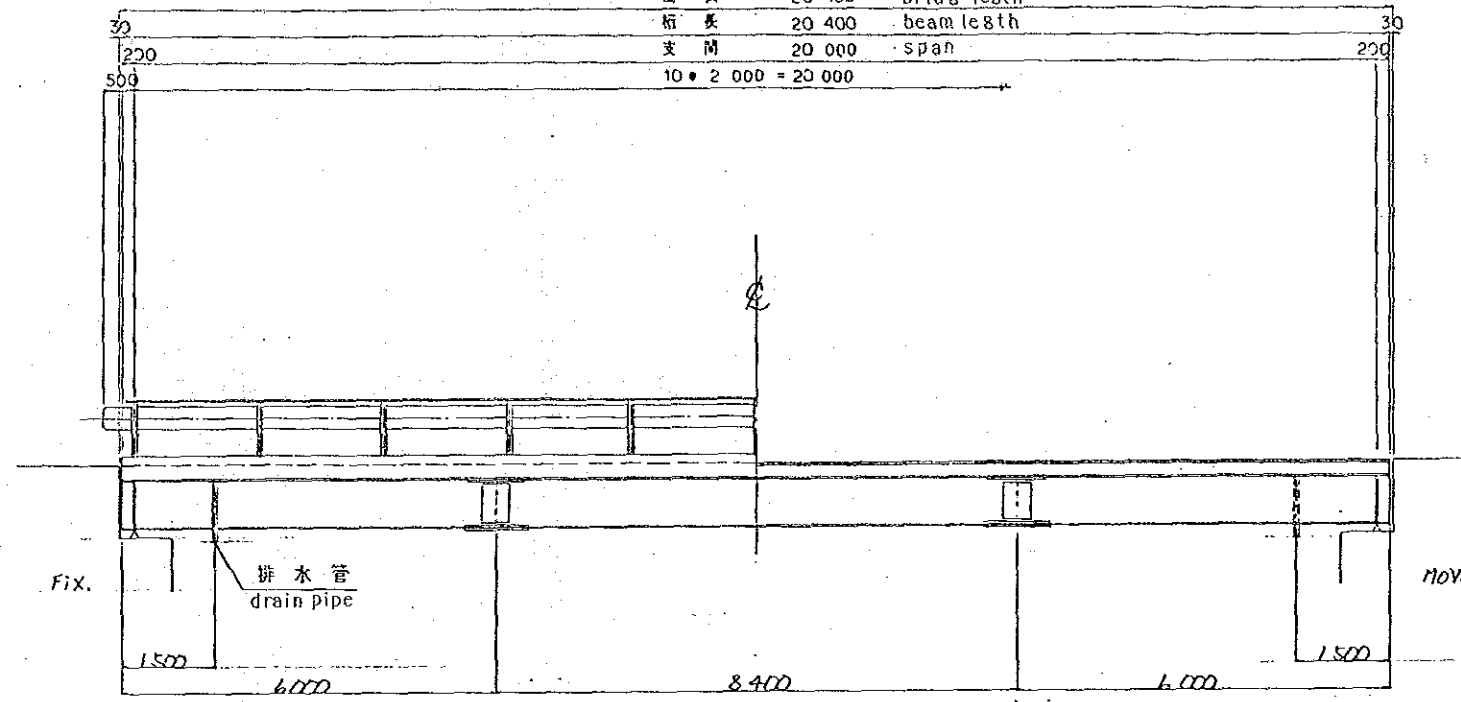


N04 BRIDGE 橋梁図

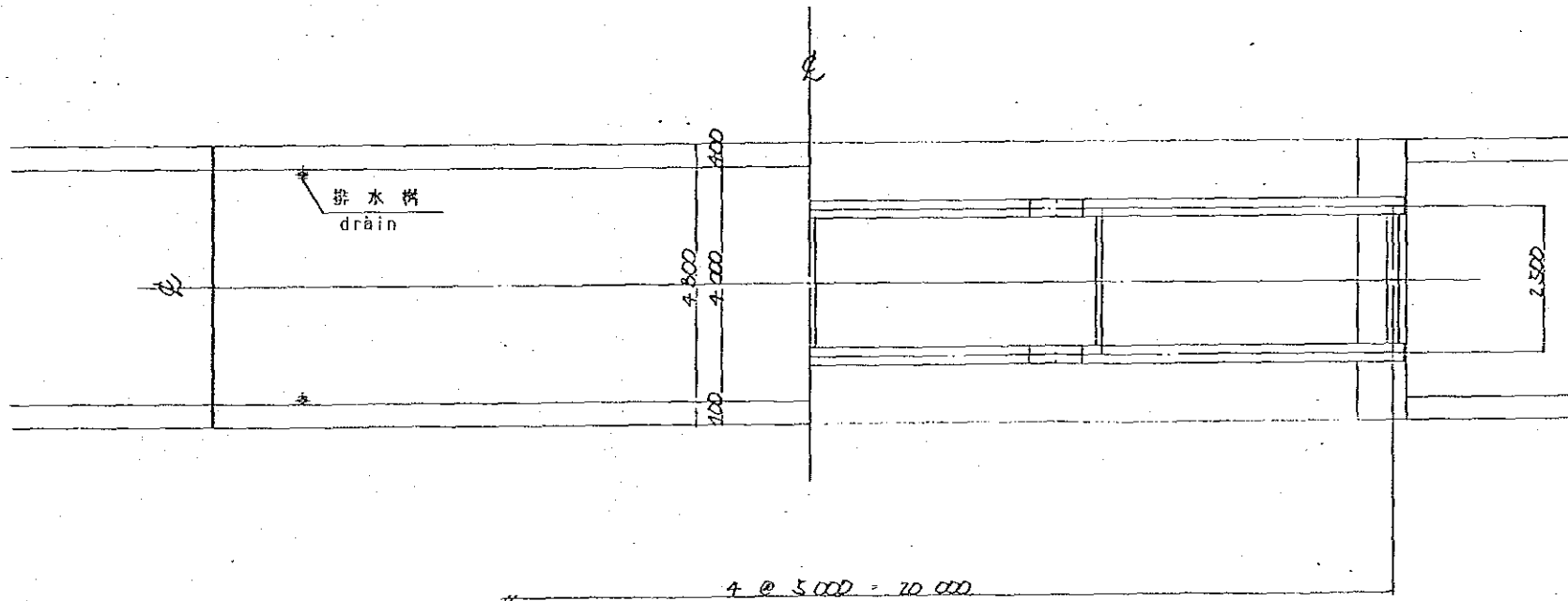
側面図 S=1/60  
Profile

断面図 S=1/30  
Section Drawing

橋長 20 460 bridge length  
桁長 20 400 beam length  
支間 20 000 span  
10 \* 2 000 = 20 000



平面図 S=1/60  
Plan



製図	藤
設計	部
校核	
承認	

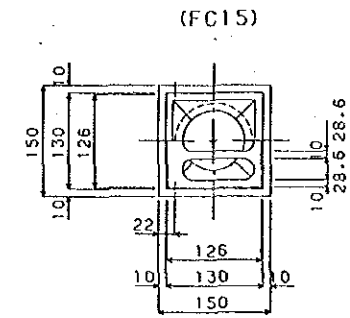
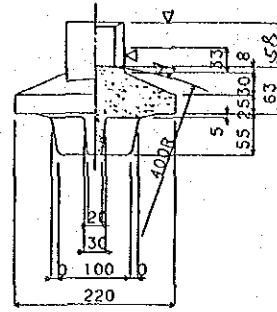
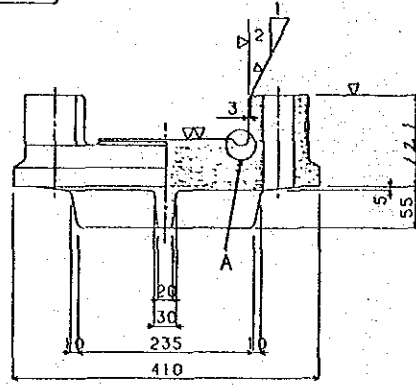
設計番号	F-6500
図面番号	
製図員	
出図日	

5

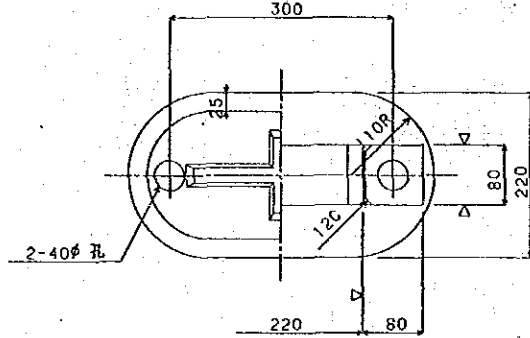
標準設計 (L=20,000)	
共通	
一般図	



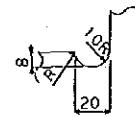




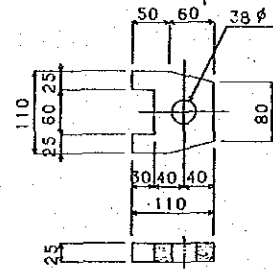
(SC46)



A部詳細 S=1/2  
detail

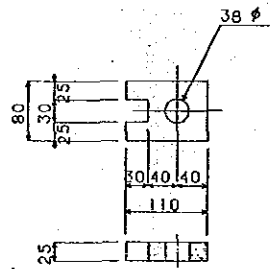


可動側  
movable part

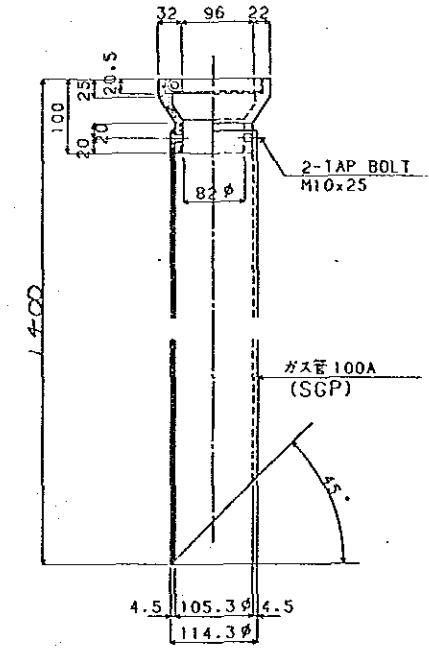
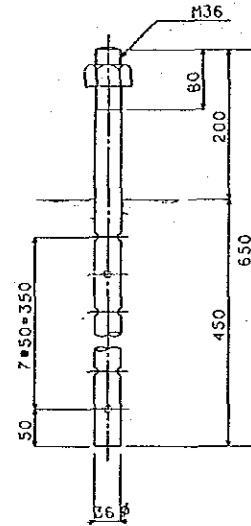


1-PL 110x25x110 (SMA50AW)

固定側  
fixed part



1-PL 80x25x110 (SMA50AW)



- 注記 1. 特記なき材質は全てSS41とする。  
2. 沓及び排水管のガス管はタールエポキシ樹脂塗料を工場にて3回塗布とする。

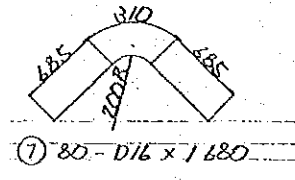
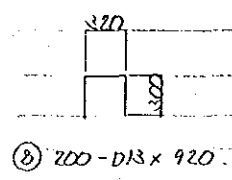
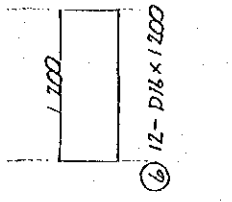
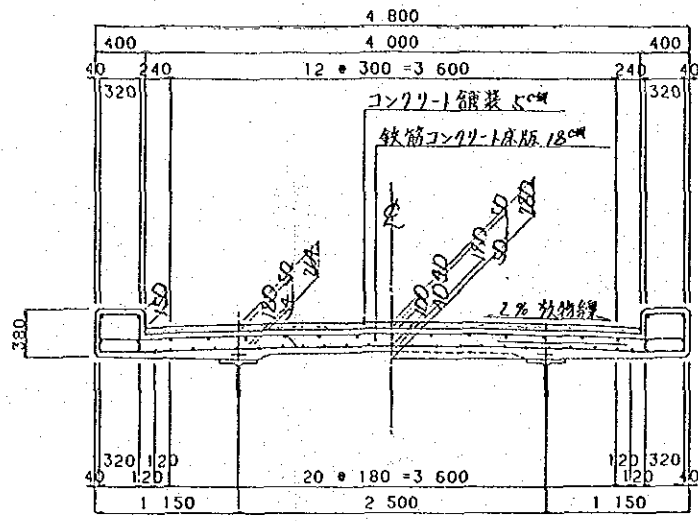
縮尺	1/5	製図	藤
課長	掛長	技師	部

設計番号	F-6500
図面番号	
製図日付	
出図日付	

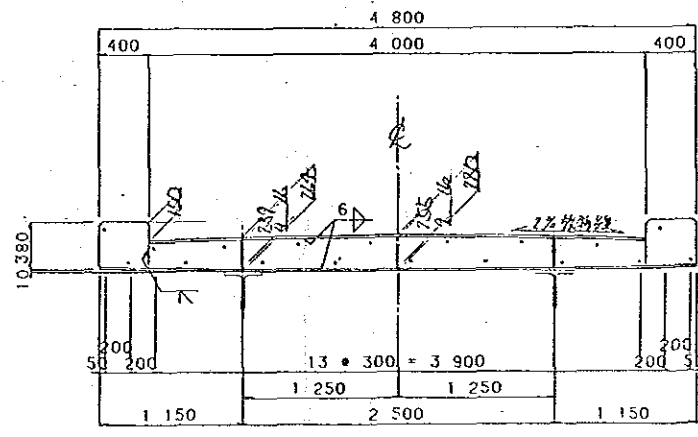
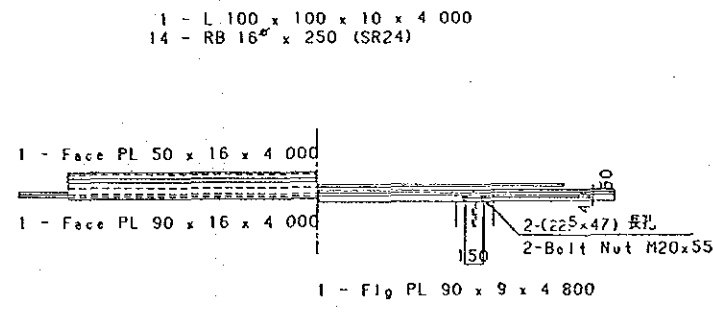
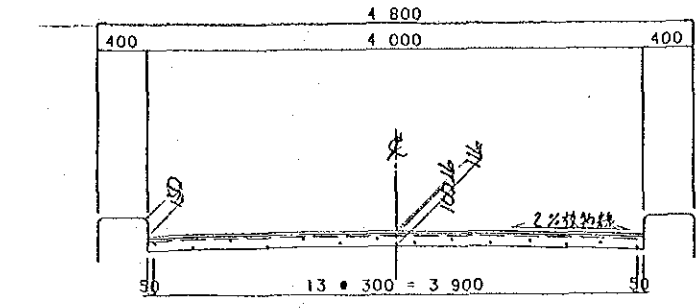
3/5

標準設計 (L=20,000)	
共通	
沓・排水管	

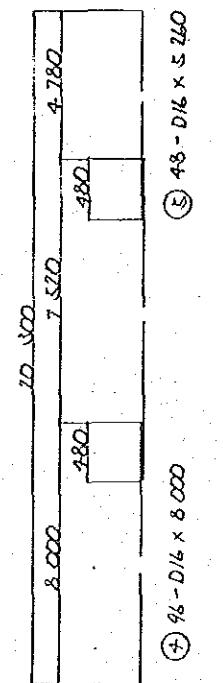
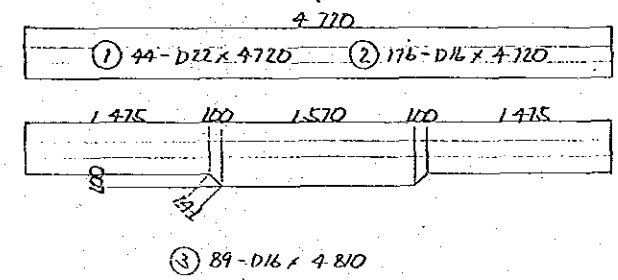
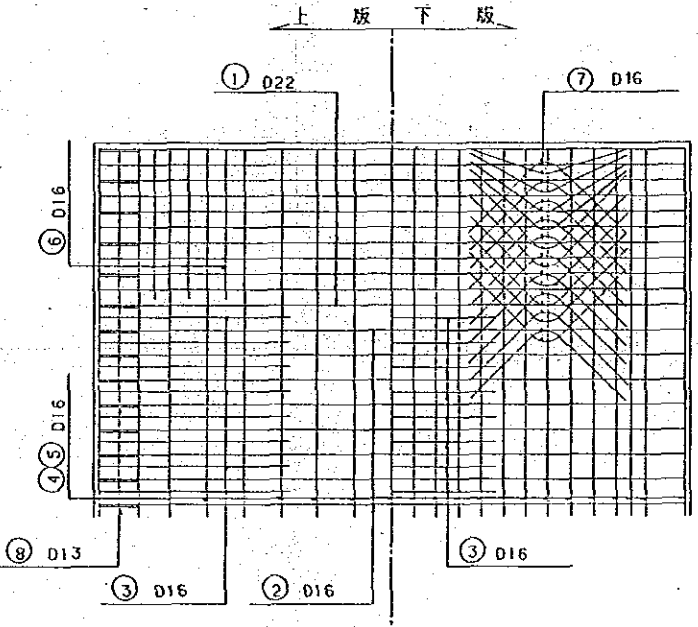
床版 S=1/30  
Floor Slab



伸縮継手 S=1/30  
(EA-1型) Expansion Joint

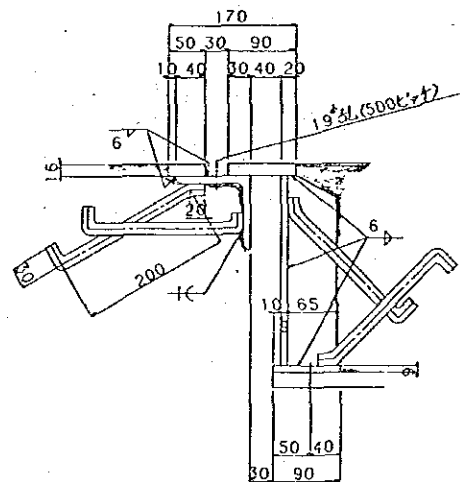


- 1 - Web PL 255 x 9 x 4000
- 2 - Web PL 375 x 9 x 400
- 3 - Rib PL 65 x 9 x 255
- 18 - RB 16# x 250 (SR24)



鉄筋表: reinforcing

記号	径	長さ	単位重量	weight per one bar	number of bar	重量	quality of material
①	D22	4720	3.040	14.349	44	631	SD30
②	D16	4720	1.560	7.363	176	1296	✓
③	"	4810	"	7.504	89	668	✓
④	"	8000	"	12.480	96	1198	✓
⑤	"	5260	"	8.206	48	394	✓
⑥	"	1200	"	1.872	12	22	✓
⑦	"	1680	"	2.621	80	210	✓
⑧	D13	920	0.995	0.915	200	183	✓
Σ						4602	kg
		D22	631	kg			
		D16	3788	kg			
		D13	183	kg			



注記 1. 特記なき材質は全てSS41とする。  
2. 伸縮継手はタールエボキシ樹脂塗布を工場にて3回塗布とする。

縮尺	1/50	1/100	1/200	1/400	1/800	1/1600
製図	製図	製図	製図	製図	製図	製図
検査	検査	検査	検査	検査	検査	検査

設計番号	F-6500
製図番号	
製図日付	
製図者	

4/5

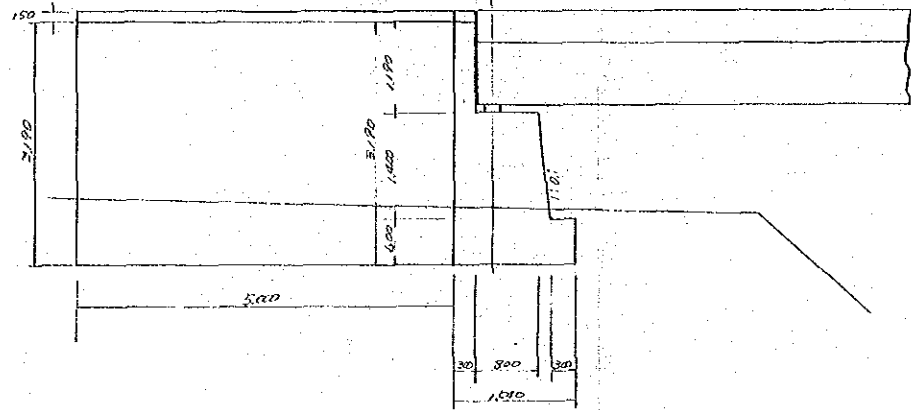
標準設計 (L=20,000)	共通
床版・伸縮継手	

橋台圖  $S=1/50$   
ABUTMENT

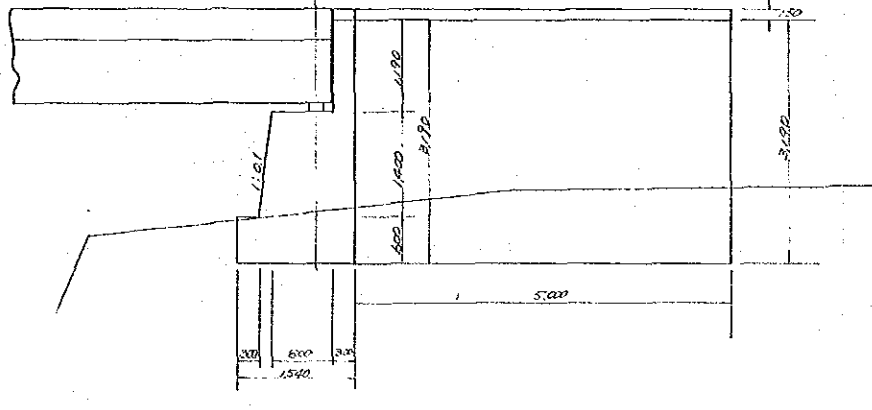
側面圖

橋長 20160  
 附長 20400  
 支距 2000

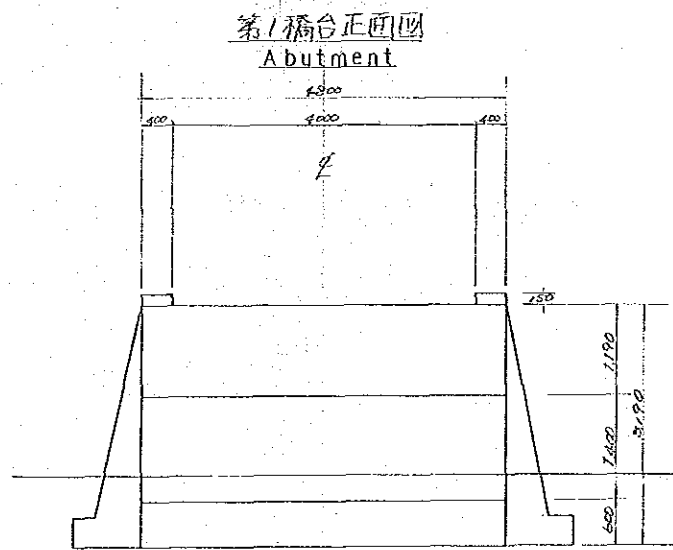
側壁正面圖  
Side Wall



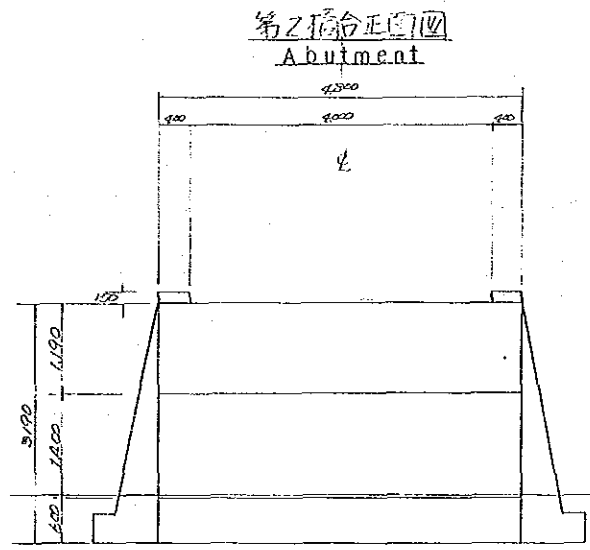
側壁正面圖  
Side Wall



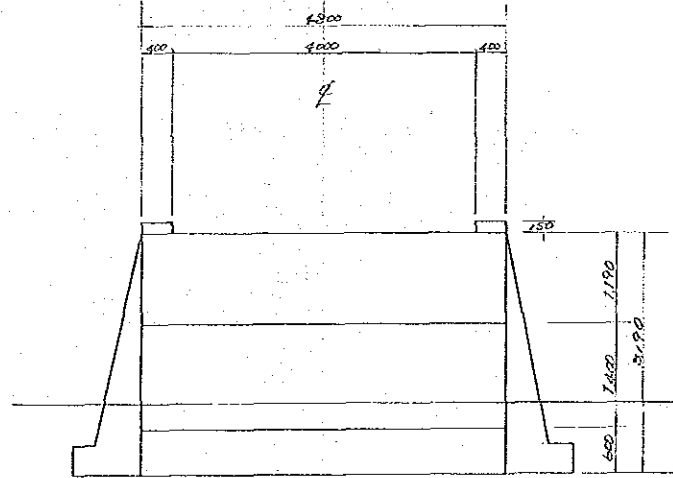
第1橋台側面圖  
Abutment



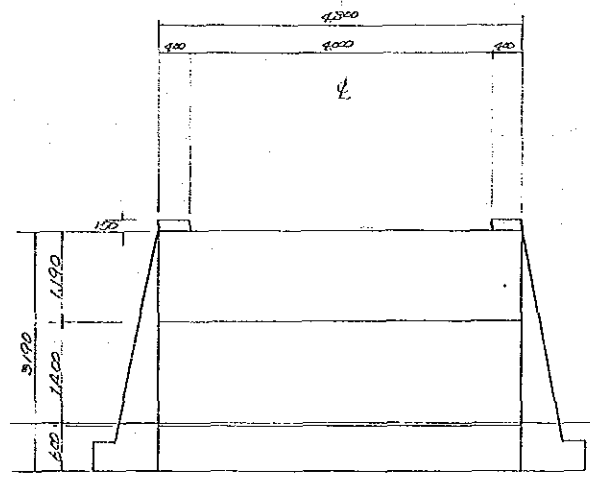
第2橋台側面圖  
Abutment



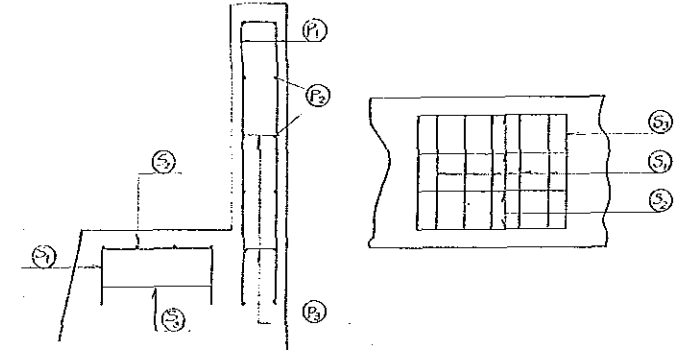
第1橋台正面圖  
Abutment



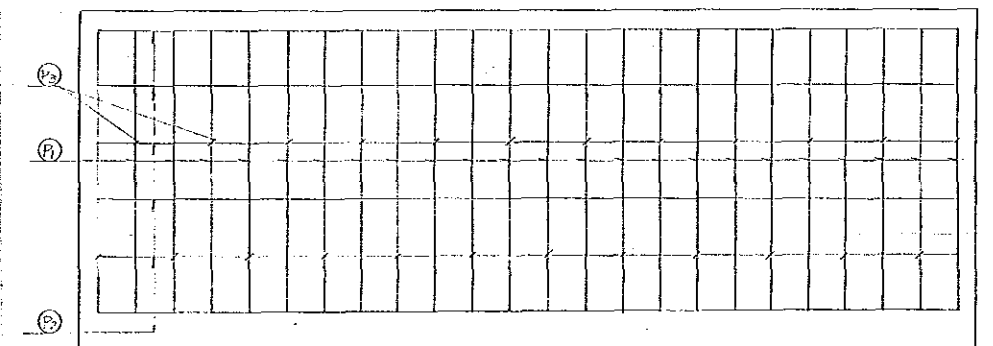
第2橋台正面圖  
Abutment



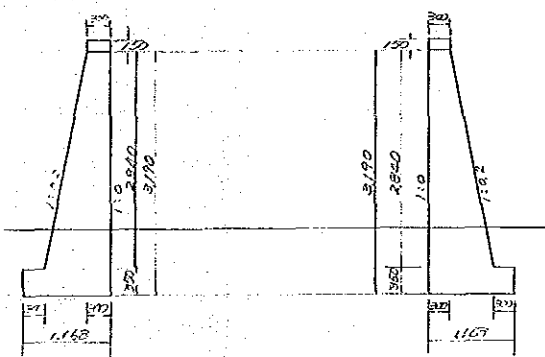
橋度胸壁詳細圖  
Detail Drawing  $S=1/20$



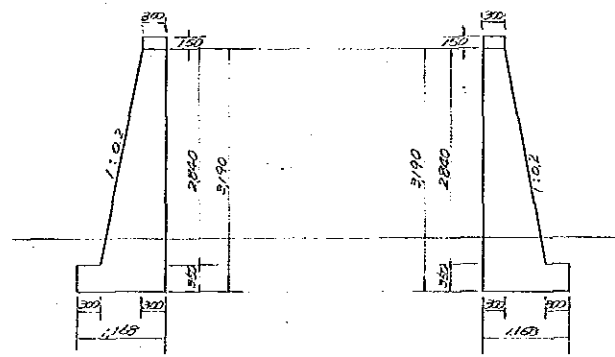
胸壁正面圖 Parapet



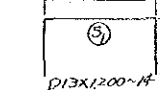
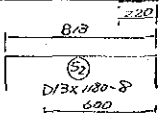
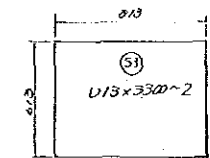
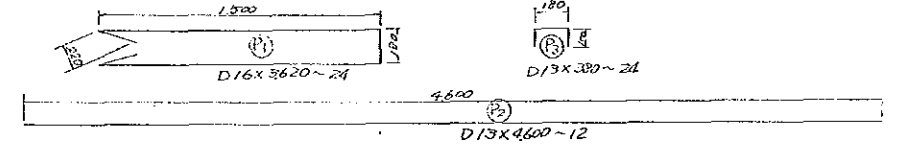
側壁側面圖 Side Wall



側壁側面圖 Side Wall



鉄筋加工図 Reinforcing Bar



JICA